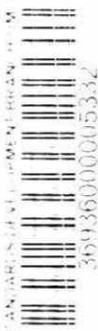


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CHAOBORUS ABUNDANCE

IN

MUSKOKA-HALIBURTON LAKES:

1986 METHODS AND DATA

Data Report DR 87/3

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J. Bishop, Director
Water Resources Branch

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Chaoborus Abundance in Muskoka-Haliburton Lakes:
1986 Methods and Data

T.W. Pawson and L.J. McEachern

Data Report DR 87/3

PREFACE

The Data Report Series is intended as a readily available source of basic data collected for lakes and watersheds in the Muskoka/Haliburton area of Ontario. These data were collected as part of the Lakeshore Capacity Study and/or the Acid Precipitation in Ontario Study.

The limnological portion of the Lakeshore Capacity Study (1975-81) was initiated to investigate the relationships between lakeshore development and lake trophic status in low ionic strength Precambrian lakes. The Acid Precipitation in Ontario Study (1979-present) was initiated, in part, to investigate the effects of the deposition of strong acids on aquatic and terrestrial ecosystems in Ontario. The primary findings of these studies have been and will continue to be published as reviewed papers and technical reports.

Pawson, T.W. and L.J. McEachern. 1987. Chaoborus abundance in Muskoka-Haliburton Lakes: 1986 Methods and Data. Ont. Min. Environ. Data Report. DR 87/3.

Abstract

Larvae of the phantom midge, Chaoborus, are nocturnally active, acid-tolerant zooplanktivores whose abundance varies widely in Canadian Shield Lakes. They are known to influence the competitive interplay among dominant zooplankton species, perhaps complicating the interpretation of changes in zooplankton community structure that accompany acidification of lakes. Therefore, estimates of Chaoborus abundance may greatly aid interpretation of patterns in zooplankton communities observed over gradients of lake alkalinity. A summary of field and laboratory methods employed during a fall, 1986, larval Chaoborus survey of 18 Muskoka-Haliburton Lakes is presented. Raw data and four estimates of average Chaoborus abundance and biomass are presented for each lake.

Pawson. T. W. and L. J. McEachern. 1987. Chaoborus abundance in Muskoka-Haliburton Lakes: 1986 Methods & Data. Ont. Environ. Data. Report. DR 87/3.

RÉSUMÉ

La larve de la cécidomye (famille des chaoboridés) est un zooplanctivore nocturne, tolérant à l'acide, dont le nombre dans les lacs du Bouclier canadien accuse d'importantes variations. On sait que sa présence influe sur les rapports existant entre les espèces dominantes du zooplancton, ce qui tendrait à compliquer l'interprétation des changements de la structure des populations zooplanctiques, changements qui accompagnent l'acidification des lacs. Par conséquent, les calculs estimatifs du nombre des cécidomyes pourraient grandement faciliter l'interprétation des tendances observées chez les populations zooplanctiques suivant les gradients d'alcalinité des lacs. Le rapport présente un sommaire des méthodes employées en laboratoire et sur le terrain au cours d'un sondage effectué à l'automne de 1986 pour évaluer la présence des larves de la cécidomye dans 18 lacs de la région de Muskoka-Haliburton. Sont présentées, pour chaque lac, les données brutes et quatre estimations du nombre et de la biomasse moyenne de la cécidomye.

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Introduction

One objective of biological surveys conducted under the auspices of the APIOS programme is to determine if acidification alters zooplankton community structure. Zooplankton are influenced by biotic as well as abiotic factors. The principal biotic factor is probably predation. Larvae of the phantom midge, Chaoborus, are zooplanktivorous, and when they are abundant they can have a profound influence on zooplankton community structure (Lynch 1979). As the abundance of Chaoborus larvae varies widely among lakes on the Canadian Shield (Yan et al. 1985), estimates of Chaoborus abundance may help explain differences in community structure of zooplankton in APIOS study lakes. The purpose of this report is to describe the methods and present the data of a survey designed to provide quantitative estimates of the abundance of Chaoborus larvae in roughly 1/3 of the intensive APIOS study lakes. It is intended that similar data will be assembled from the remaining intensive study lakes in 1987 and 1988.

Methods

Eighteen of the principal APIOS and LCS lakes (Table 1) were visited on a single occasion between Oct. 15 and Nov. 4, 1986. The autumn sampling window was selected with the expectation that the majority of the animals would be in their overwintering life stages; hence, population size would be relatively stable.

As the latter instars of the dominant species of Chaoborus move to profundal sediments during the day, a stratified random sampling design was employed. Zones deeper and shallower than the mean summer thermocline depth (MSTD, taken from Reid et al. 1983) were delineated on bathymetric charts of each lake (Nicolls et al. 1983) and 5 sampling stations were randomly located in each of these two zones. Specific locations of the sampling stations for each lake are illustrated in Figures 1 through 18.

All samples were collected between 1 h after sunset and midnight. At each of the stations, a single vertical haul was taken from 2-3 m above bottom to the surface using a 46 cm diameter closing tow net constructed of 150 μ mesh. The net was hauled at 0.5 m/s. Samples were preserved in the field with a 4% formalin solution.

In the laboratory, the stage of development (Lasenby et al. 1986) and identity (Saether 1970) of each Chaoborus in every sample was recorded. The lengths (± 0.1 mm) of the first 25 (or all animals if there were <25) animals of each represented instar and species were measured. Lengths were taken from the anterior tip of the head capsule to the base of the anal tubules.

The mean weight of each instar in each lake was calculated from its mean length using length-weight relationships given in Table 2, after correction for detransformation bias (Bird and Prairie 1985). Length variations were sufficiently small among animals of a single instar and species in each lake, that the mean weight calculated from mean length, was virtually identical to the mean of individually calculated weights of each animal.

Volumetric (VD) and areal (AD) expressions of Chaoborus density were calculated for each station from the net aperture area (0.17 m^2), the haul length and assumed filtration efficiency of 70% (Yan et al. 1985). Average abundance estimates for each lake were subsequently calculated in 4 ways:

$$\begin{aligned}\overline{\text{VD}} &= \Sigma \text{VD} / m \\ \overline{\text{AD}} &= \Sigma \text{AD} / m \\ \overline{\text{WVD}} &= P_1 \Sigma \text{VD}_1 / m_1 + P_2 \Sigma \text{VD}_2 / m_2 \\ \overline{\text{WAD}} &= P_1 \Sigma \text{AD}_1 / m_1 + P_2 \Sigma \text{AD}_2 / m_2\end{aligned}$$

where VD, AD, WVD and WAD represent volumetric density areal density, weighted volumetric density and weighted areal density, respectively, and m is the sample size equal to 10 for the first 2 equations and 5 for the second 2, and P_1 is the proportion of the lake volume and lake area, respectively, in one of the 2 depth zones. Values of P_1 and P_2 were calculated from data given in Table 3.

Data Presentation

Raw data (pg 34 to 93) are tabulated alphabetically by lake. Zero abundance should be interpreted as the absence of that instar from the particular haul. The instars might still be present at very low density at the station. Total numbers encountered, mean length and standard deviation of length, and the number of organisms measured are listed. The density and biomass of larvae in each sample is also given.

Tables 4 to 7 lists $\overline{VD}$, $\overline{WVD}$, $\overline{AD}$ and $\overline{WAD}$, respectively. Tables 8-11 give biomasses calculated from the 4 density estimates.

REFERENCES

- Bird, D.F. and Y.T. Prairie. 1986. Practical guidelines for the use of zooplankton length-weight regression equations. J. Plankton Research 7: 955-960.
- Lasenby, D.C., K. Morris, and N.D. Yan. 1986. Abundance of Chaoborus larvae in Chub Lake: sampling methods and 1982 data. Ont. Min. Envir. Data Report DR 86/3.
- Lynch, M. 1979. Predation, competition, and zooplankton community structure: an experimental study. Limnol. Oceanogr. 24: 253-272.
- Nicolls, A., R. Reid, and R. Girard. 1983. Morphometry of the Muskoka-Haliburton study lakes. Ont. Min. Envir. Data Report DR 83/3.
- Reid, R.A., B.A. Locke, and R. Girard. 1983. Temperature profiles on the Muskoka-Haliburton study lakes (1976-1982). Ont. Min. Envir. Data Report DR 83/4.
- Saether, O.A. 1970. Nearctic and Palearctic Chaoborus (Diptera: Chaoborida). Bull. Fish. Res. Board Can. 174: 1-57.
- Yan, N.D., R.W. Nero, W. Keller and D.C. Lasenby. 1985. Are Chaoborus larvae more abundant in acidified than in non-acidified lakes in central Canada. Holarctic Ecology 8: 93-99.

Table 1. Location of Study Lakes

Lake	Latitude	Longitude	Township	County
Basshaunt	45°07'	78°28'	Guilford	Haliburton
Bigwind	45°03'	79°03'	Oakley	Muskoka
Blue Chalk	45°12'	78°56'	Ridout	Muskoka
Buck	45°23'	79°00'	Sinclair	Muskoka
Chub	45°13'	78°59'	Ridout	Muskoka
Clear	45°11'	78°43'	Sherbourne	Haliburton
Crosson	45°05'	79°02'	Oakley	Muskoka
Dickie	45°09'	79°05'	McClean	Muskoka
Glen	45°08'	78°30'	Guilford	Haliburton
Gullfeather	45°06'	79°01'	Oakley	Muskoka
Harp	45°23'	79°08'	Chaffey	Muskoka
Heney	48°08'	79°06'	McClean	Muskoka
Little Clear	45°24'	79°00'	Sinclair	Muskoka
Plastic	45°11'	78°50'	Sherbourne	Haliburton
Red Chalk-east	45°11'	78°56'	Ridout	Muskoka
Red Chalk-main	45°11'	78°56'	Ridout	Muskoka
Solitaire	45°22'	79°00'	Sinclair	Muskoka
Walker	45°24'	79°05'	Sinclair	Muskoka

Table 2. Parameters and regression diagnostics of the Chaoborus length-weight regression: ($\log W = a \log L + b$) where W is in μg dry weight and L is the body length in mm. The 95% Confidence Interval for a and b are indicated. C.F. is a multiplication correction factor applied to log W upon detransformation (Bird and Prairie, 1985). All equations were developed by the junior author on animals collected from Chub Lake, one of the study lakes.

Taxon	a	b	n	r^2	C.F.
<u>C. punctipennis</u>					
1st instar	4.12 ± 3.06	-0.55 ± 1.03	15	0.56	1.03
2nd instar	0.80 ± 0.73	0.78 ± 0.44	8	0.64	1.00
3rd instar	3.31 ± 1.62	-0.83 ± 1.50	25	0.54	1.02
4th instar	2.97 ± 1.42	-0.43 ± 0.67	25	0.69	1.04
<u>C. flavicans</u>					
1st instar	2.19 ± 0.68	-0.11 ± 0.32	31	0.65	1.02
2nd instar	2.73 ± 0.91	-0.51 ± 0.62	29	0.85	1.03
3rd instar	2.24 ± 0.34	-0.20 ± 0.32	8	0.99	1.00
4th instar	1.15 ± 2.03	1.21 ± 2.14	20	0.75	1.00
<u>C. trivittatus</u>					
1st instar	2.97 ± 1.42	-0.43 ± 0.67	25	0.69	1.04
2nd instar	2.79 ± 1.21	-0.48 ± 0.73	15	0.71	1.00
3rd instar	2.62 ± 1.70	-0.26 ± 1.67	6	0.84	1.01
4th instar	4.64 ± 1.32	-2.29 ± 1.45	29	0.72	1.04

Table 3. Areas and volumes of the study lakes, including those areas and volumes of the regions greater than and less than the mean summer thermocline depth (MSTD).

Lake	MSTD (m)	Area (ha)			Volume ($m^3 \times 10^5$)		
		Total	<MSTD	>MSTD	Total	<MSTD	>MSTD
Basshaunt	5	47.3	19.5	27.8	36.6	4.8	31.7
Bigwind	8	111.0	55.0	56.0	118.0	22.8	95.2
Blue Chalk	8	52.4	27.8	24.5	44.7	9.9	34.8
Buck	6	40.3	13.5	26.8	43.9	3.8	40.1
Chub	4	34.4	11.2	23.2	30.4	1.9	28.5
Clear	8	88.4	35.7	52.7	109.2	12.2	96.9
Crosson	6	56.7	22.0	34.8	52.2	6.9	45.3
Dickie	5	93.6	52.8	40.8	46.7	14.4	32.2
Glen	5	16.3	5.3	11.0	11.8	1.3	10.6
Gullfeather	5	65.9	37.9	28.0	31.5	9.3	22.2
Harp	6	71.4	24.7	46.7	88.2	6.6	81.6
Heney	*	21.4	*	*	7.0	*	*
Little Clear	6	10.9	4.4	6.5	8.9	1.2	7.6
Plastic	7	32.1	12.5	19.6	25.6	3.9	21.7
Red Chalk-east	5	13.1	5.8	7.3	7.5	1.6	5.9
Red Chalk-main	6	44.1	8.8	35.3	73.3	18.2	55.1
Solitaire	8	124.0	49.1	74.9	164.0	13.8	150.2
Walker	8	68.2	48.6	19.6	42.1	20.8	21.3

* The waters of Heney Lake do not stratify

Table 4. Volumetric Density ($\overline{VD}$, # m^{-3}) of Chaoborus larvae in the study lakes.

Lake	Instar	<u>C. punctipennis</u>				<u>C. flavicans</u>				<u>C. trivittatus</u>				Total
		1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Basshaunt		0	0.8	3.3	3.0	0	0	2.7	20.1	0	0	0	0	29.9
Bigwind		0	0	<0.1	3.2	0	0	0	0	0	0	0	0	3.2
Blue Chalk		0	0	0.5	5.7	0	0	0	0.1	0	0	0	0	6.3
Buck		0	0	0.1	0	0	0	0	0.2	0	0.1	0.2	0.1	0.7
Chub		0	0	0.6	24.3	0	0	1.8	9.5	49.1	0.1	0.1	0.2	85.7
Clear		0	0	0.1	17.3	0	0	0	0	0	0	0	0	17.4
Crosson		0	0	0	1.6	0	0.1	0.2	4.3	0	0	0	0	6.2
Dickie		0	0	5.3	31.2	0.4	0.3	0	13.7	0	0	0	0	50.9
Glen		0	0	0	1.0	0	0	0.2	4.8	0	0	0	0	6.0
Gullfeather		0	2.0	6.2	55.1	0	0	0.6	8.1	0	0	0	0	72.0
Harp		0	0	0	1.4	0	0	0	0	0	0	0	0	1.4
Heney		0	0	0.3	0	0	0	0	0	0	0	0	0	0.3
Little Clear		0	0	0.7	6.4	0	0.2	0.8	16.5	0	0	0	0.1	24.7
Plastic		0	0	0.9	44.5	0	0	0	0.1	0	0	0	0	45.5
Red Chalk-east		0	0.5	3.8	10.6	0	0	0.8	34.0	3.7	0.1	0	0	53.5
Red Chalk-main		0.3	0	0.1	0	0	0	0	0	0	0	0	0	0.4
Solitaire		0	0	0	2.7	0	0	0	0	0	0	0	0	2.7
Walker		0	0	0	26.2	0	0	1.4	88.9	50.0	20.4	0	0	186.9

∞

Table 5. Weighted Volumetric Density ($\overline{WVD}, \# m^{-3}$) of Chaoborus larvae in the Study Lakes.

Lake	<u>C. punctipennis</u>				<u>C. flavicans</u>				<u>C. trivittatus</u>				Total
	Instar 1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Basshaunt	0	0.4	5.3	4.6	0	0	2.7	22.3	0	0	0	0	35.3
Bigwind	0	0	0.1	4.8	0	0	0	0	0	0	0	0	4.9
Blue Chalk	0	0	0.2	7.7	0	0	0	0.1	0	0	0	0	8.0
Buck	0	0	0.3	0	0	0	0	0.4	0	0.2	0.4	0.2	1.5
Chub	0	0	0.4	27.2	0	0	0.6	14.5	90.0	0.1	0.1	0.3	133.2
Clear	0	0	0.2	18.8	0	0	0	0	0	0	0	0	19.0
Crosson	0	0	0	2.2	0	0.2	0.3	5.9	0	0	0	0	8.6
Dickie	0	0	6.3	40.9	0.2	0.4	0	17.3	0	0	0	0	65.1
Glen	0	0	0	1.2	0	0	0.3	4.3	0	0	0	0	5.8
Gullfeather	0	1.3	5.1	47.9	0	0	0.4	11.0	0	0	0	0	65.7
Harp	0	0	0	0.1	0	0	0	0	0	0	0	0	0.1
Heney	0	0	0.3	0	0	0	0	0	0	0	0	0	0.3
Little Clear	0	0	1.2	5.9	0	0.3	0.2	21.9	0	0	0	0.1	29.6
Plastic	0	0	0.9	57.7	0	0	0	0.2	0	0	0	0	58.8
Red Chalk-east	0	0.8	4.9	13.4	0	0	2.5	49.5	4.9	0.2	0	0	76.2
Red Chalk-main	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0.2
Solitaire	0	0	0	1.1	0	0	0	0	0	0	0	0	1.1
Walker	0	0	0	26.6	0	0	1.4	90.2	50.9	20.7	0	0	189.8

Table 7. Weighted Aereal Density ($\overline{WAD}$, # m⁻²) of Chaoborus larvae in Study Lakes.

Lake	Instar	<u>C. punctipennis</u>				1st	<u>C. flavicans</u>				<u>C. trivittatus</u>				Total	
		1st	2nd	3rd	4th		2nd	3rd	4th	1st	2nd	3rd	4th			
Basshaunt		0	2.9	41.1	25.7		0	0	11.5	116.9		0	0	0	0	198.1
Bigwind		0	0	0.9	34.4		0	0	0	0		0	0	0	0	35.3
Blue Chalk		0	0	0.9	46.3		0	0	0	0.8		0	0	0	0	48.0
Buck		0	0	2.3	0		0	0	0	3.4		0	1.1	2.3	1.1	10.2
Chub		0	0	2.5	171.0		0	0	5.3	82.1	500.5	0.8	0.8	2.3		765.3
Clear		0	0	1.0	164.4		0	0	0	0		0	0	0	0	165.4
Crosson		0	0	0	14.3		0	1.1	1.1	38.7		0	0	0	0	55.2
Dickie		0	0	22.8	128.2		1.0	1.5	0	52.7		0	0	0	0	206.2
Glen		0	0	0	5.7		0	0	1.2	20.6		0	0	0	0	27.5
Gullfeather		0	3.7	11.5	108.5		0	0	1.0	33.5		0	0	0	0	158.2
Harp		0	0	0	10.1		0	0	0	0		0	0	0	0	10.1
Heney		0	0	0.9	0		0	0	0	0		0	0	0	0	0.9
Little Clear		0	0	6.2	38.9		0	1.0	2.1	153.4		0	0	0	1.0	202.6
Plastic		0	0	6.6	358.7		0	0	0	1.1		0	0	0	0	366.4
Red Chalk-east		0	2.9	23.5	57.1		0	0	9.4	231.3	23.1	1.0	0	0		348.3
Red Chalk-main		0.3	0	1.4	0		0	0	0	0		0	0	0	0	1.7
Solitaire		0	0	0	14.1		0	0	0	0		0	0	0	0	14.1
Walker		0	0	0	103.8		0	0	5.2	350.9	214.2	86.8	0	0		760.9

Table 8. Biomass (mg m^{-3}) of Chaoborus larvae calculated from volumetric density ($\overline{\text{VD}}$).

Lake	<u>C. punctipennis</u>	<u>C. flavicans</u>	<u>C. trivittatus</u>	Total
Basshaunt	1.0	5.0	0	6.0
Bigwind	0.9	<0.1	0	0.9
Blue Chalk	1.2	0.0	0	1.2
Buck	0.1	0.1	0.1	0.3
Chub	6.0	2.5	0.9	9.4
Clear	4.8	0	0	4.8
Crosson	0.4	1.2	0	1.6
Dickie	7.7	3.4	0	11.1
Glen	0.3	0.3	0	0.6
Gullfeather	13.6	2.2	0	15.8
Harp	0.5	0	0	0.5
Heney	<0.1	0	0	<0.1
Little Clear	1.6	4.4	0.1	6.1
Plastic	11.4	<0.1	0	11.4
Red Chalk-east	4.4	8.6	<0.1	13.0
Red Chalk-main	0.1	0	0	0.1
Solitaire	0.7	0	0	0.7
Walker	7.9	23.0	1.4	32.3

Table 9. Biomass (mg m^{-3}) of Chaoborus larvae calculated from weighted volumetric density (WVD).

Lake	<u>C. punctipennis</u>	<u>C. flavicans</u>	<u>C. trivitattus</u>	Total
Basshaunt	1.6	5.6	0	7.2
Bigwind	1.3	0	0	1.3
Blue Chalk	1.6	0.2	0	1.8
Buck	<0.1	0.1	0.2	0.3
Chub	6.7	3.8	1.7	12.2
Clear	5.2	0	0	5.2
Crosson	0.6	1.7	0	2.3
Dickie	10.1	4.3	0	14.4
Glen	0.3	1.1	0	1.4
Gullfeather	11.8	3.0	0	14.8
Harp	<0.1	0	0	<0.1
Heney	<0.1	0	0	<0.1
Little Clear	1.5	5.7	0.1	7.3
Plastic	14.7	0	0	14.7
Red Chalk-east	0.1	12.7	<0.1	12.8
Red Chalk-main	0.1	0	0	0.1
Solitaire	0.3	0	0	0.3
Walker	8.0	23.3	1.4	32.7

Table 10. Biomass (mg m^{-2}) of Chaoborus larvae calculated from areal density ($\overline{\text{AD}}$).

Lake	<u>C. punctipennis</u>	<u>C. flavicans</u>	<u>C. trivittatus</u>	Total
Basshaunt	8.7	27.2	0	35.9
Bigwind	9.3	0	0	9.3
Blue Chalk	19.4	0.2	0	19.6
Buck	0.1	0.8	1.1	2.0
Chub	45.7	23.5	11.0	80.2
Clear	40.5	0	0	40.5
Crosson	3.1	8.8	0	11.9
Dickie	35.5	14.5	0	50.0
Glen	1.2	5.4	0	6.6
Gullfeather	23.8	10.1	0	33.9
Harp	2.8	0	0	2.8
Heney	<0.1	0	0	<0.1
Little Clear	9.4	35.4	0.1	44.9
Plastic	78.4	0.2	0	78.8
Red Chalk-east	12.2	53.3	0.2	65.7
Red Chalk-main	0.1	0	0	0.1
Solitaire	4.0	0	0	4.0
Walker	48.6	145.6	9.6	203.8

Table 11. Biomass (mg m^{-2}) of Chaoborus larvae calculated from weighted aerial density (WAD).

Lake	<u>C. punctipennis</u>	<u>C. flavicans</u>	<u>C. trivitattus</u>	Total
Basshaunt	9.7	29.0	0	38.7
Bigwind	9.3	0	0	9.3
Blue Chalk	10.2	0.2	0	10.4
Buck	0.1	1.0	1.5	2.6
Chub	42.3	21.4	9.9	73.6
Clear	45.3	0	0	45.3
Crosson	3.7	10.4	0	14.1
Dickie	31.7	13.1	0	44.8
Glen	1.4	5.4	0	6.8
Gullfeather	26.7	9.0	0	35.6
Harp	3.6	0	0	3.6
Heney	<0.1	0	0	<0.1
Little Clear	10.0	40.2	1.0	51.2
Plastic	91.5	0.3	0	91.8
Red Chalk-east	13.3	59.6	0.2	73.1
Red Chalk-main	<0.1	0	0	<0.1
Solitaire	3.9	0	0	3.9
Walker	31.6	90.7	3.8	126.1

Figure 1. Sampling stations on Basshaunt Lake.

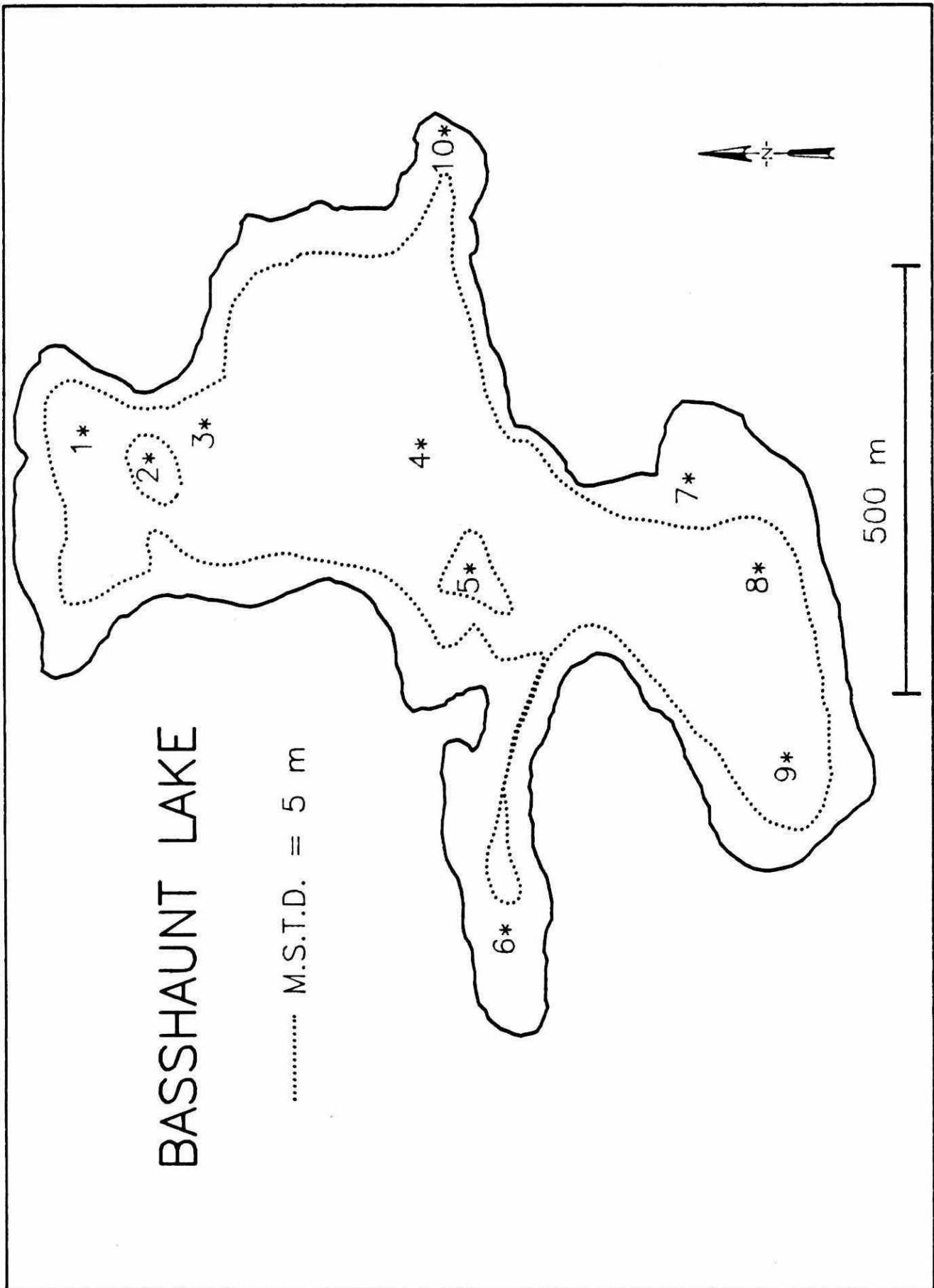


Figure 2. Sampling stations on Bigwind Lake.

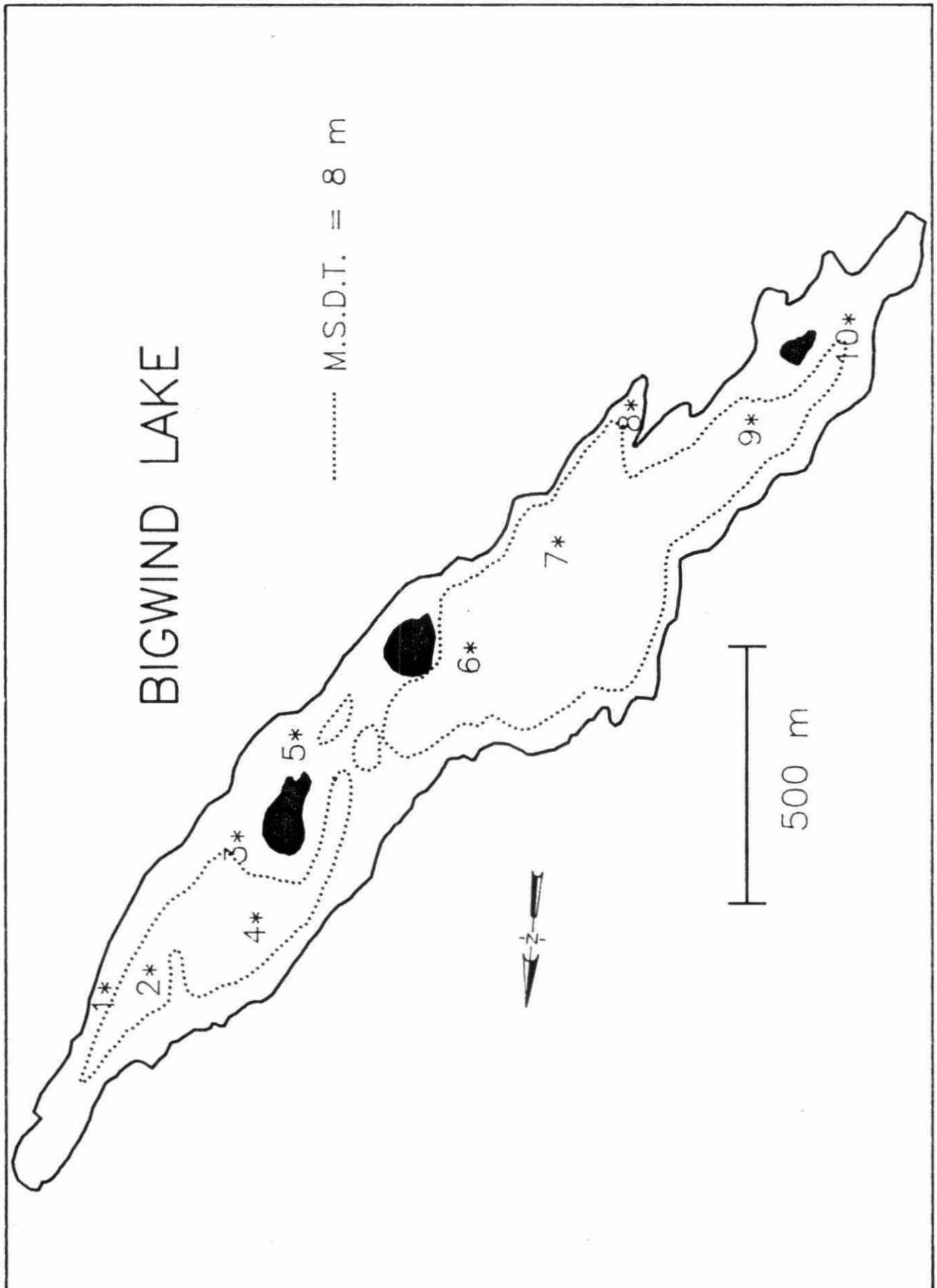


Figure 3. Sampling stations on Blue Chalk Lake.

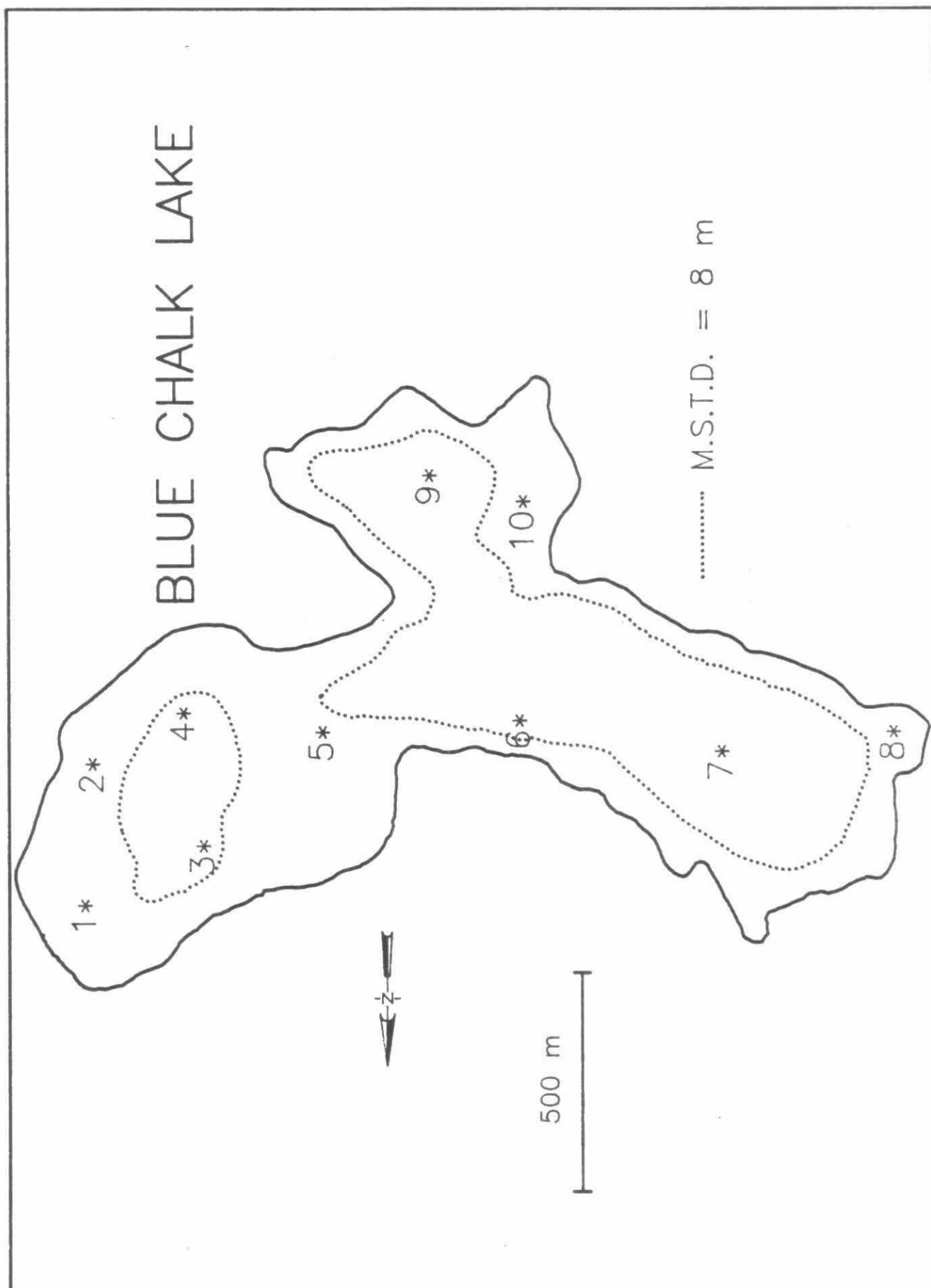


Figure 4. Sampling stations on Buck Lake.

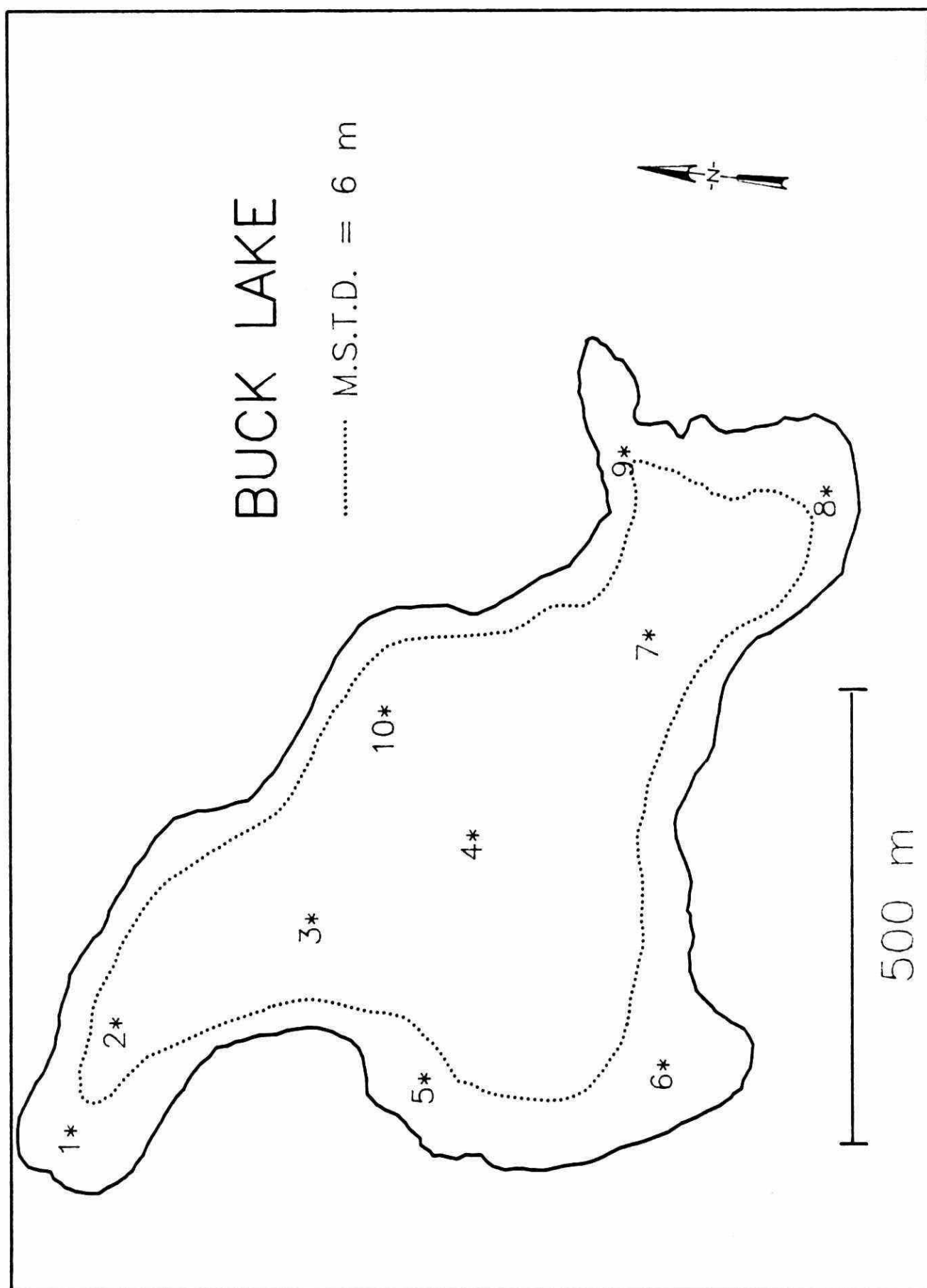


Figure 5. Sampling sites on Chub Lake.

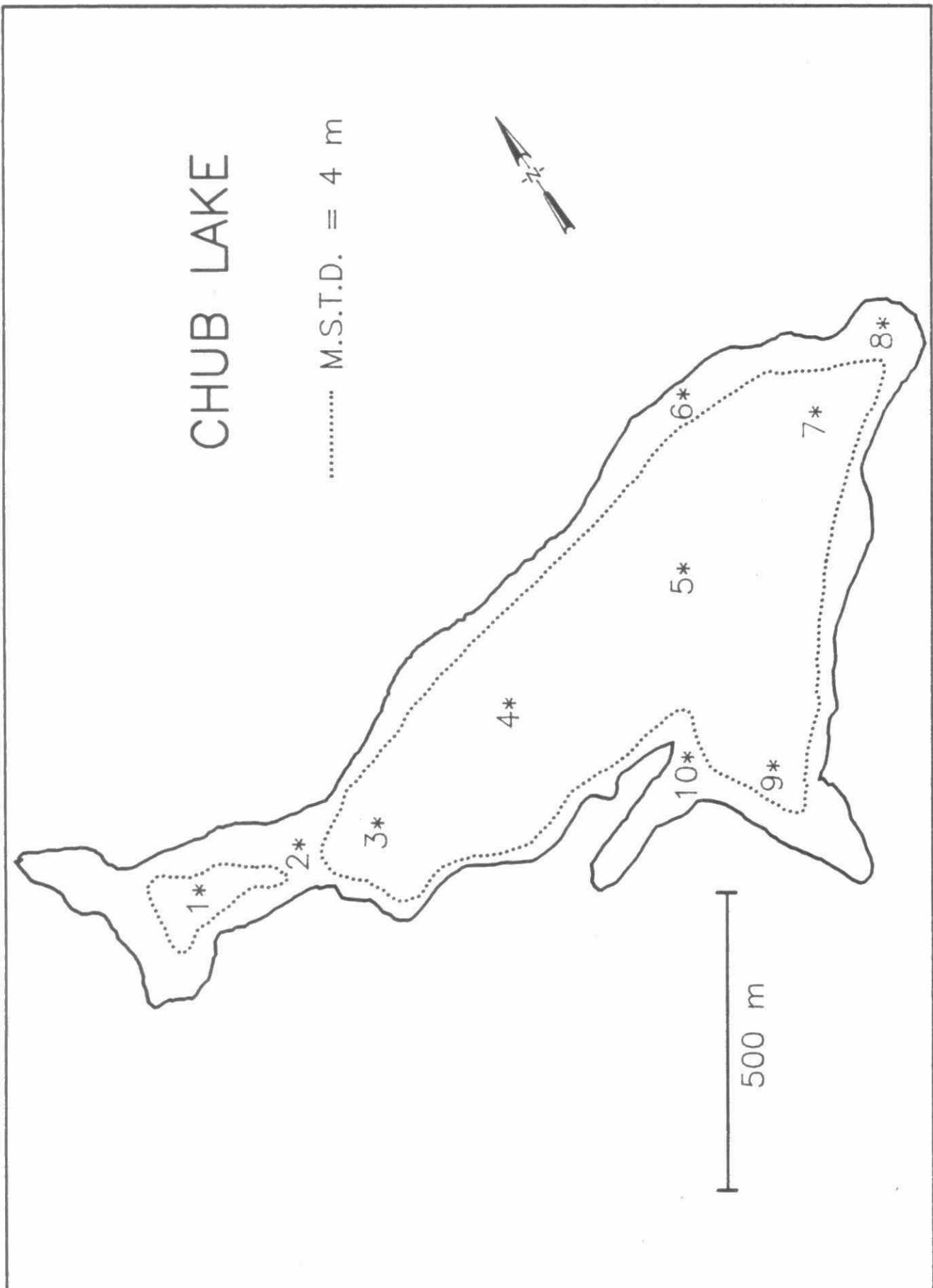


Figure 6. Sampling sites on Clear Lake.

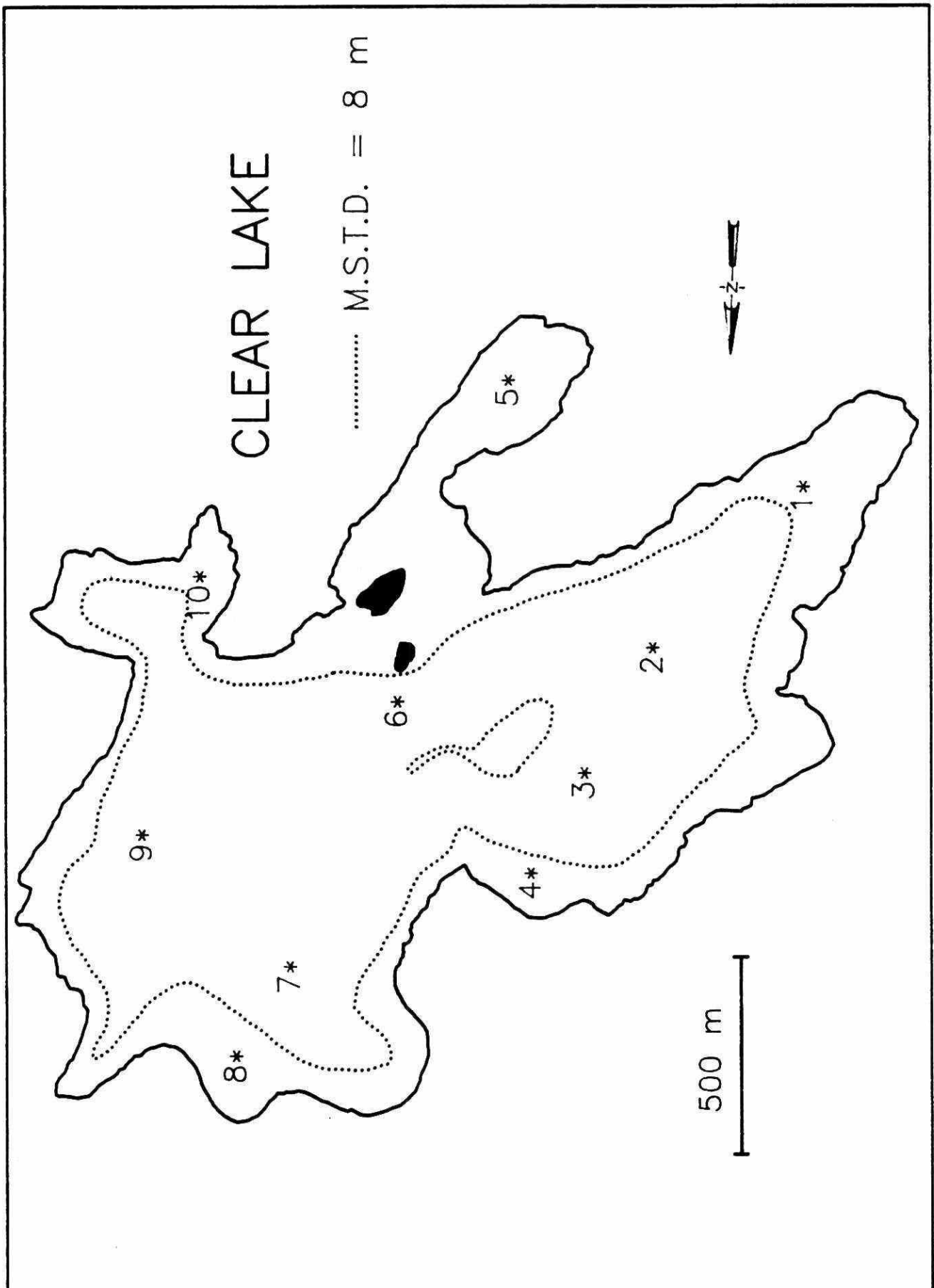


Figure 7. Sampling sites on Crosson Lake.

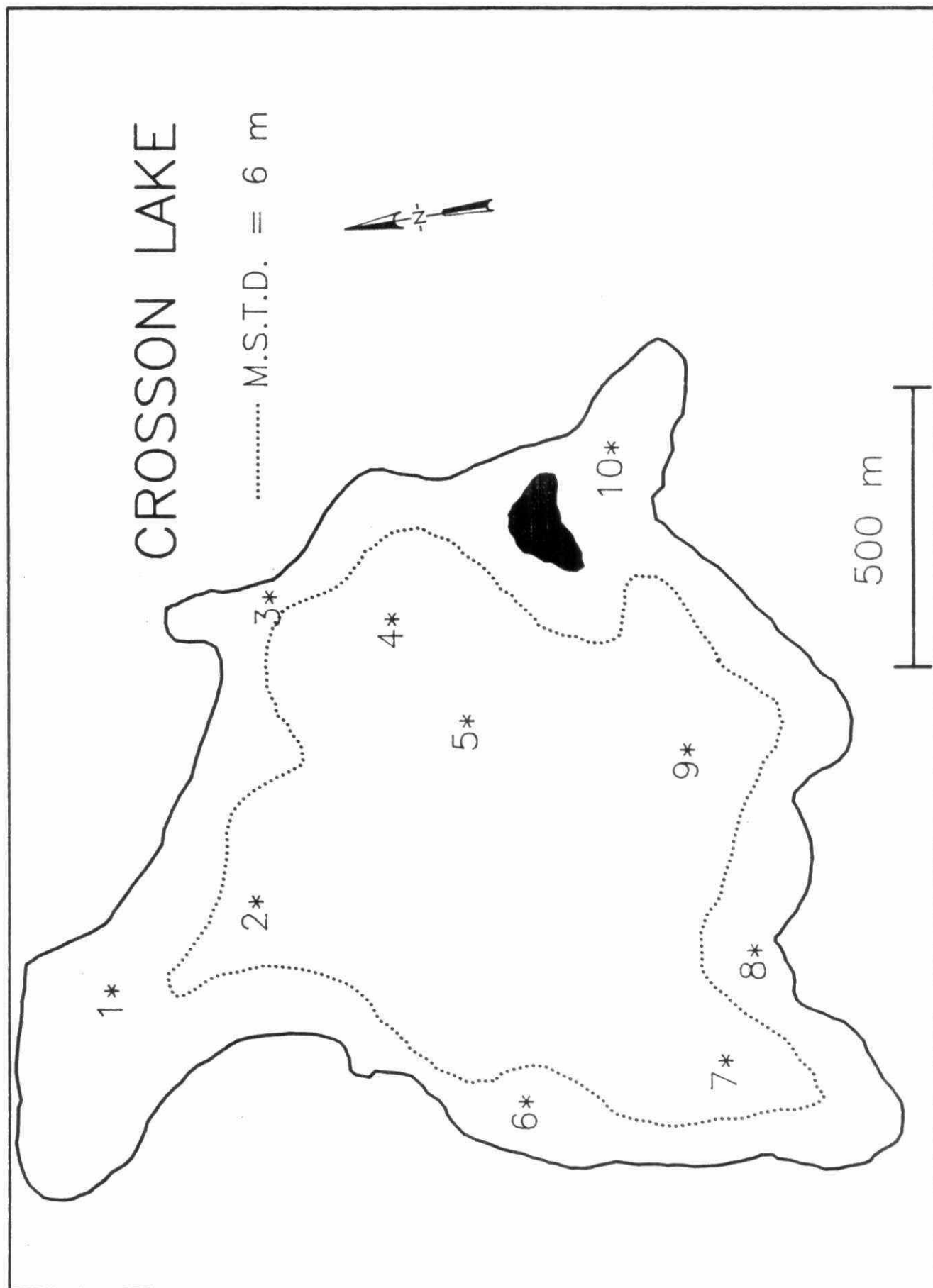


Figure 8. Sampling sites on Dickie Lake.

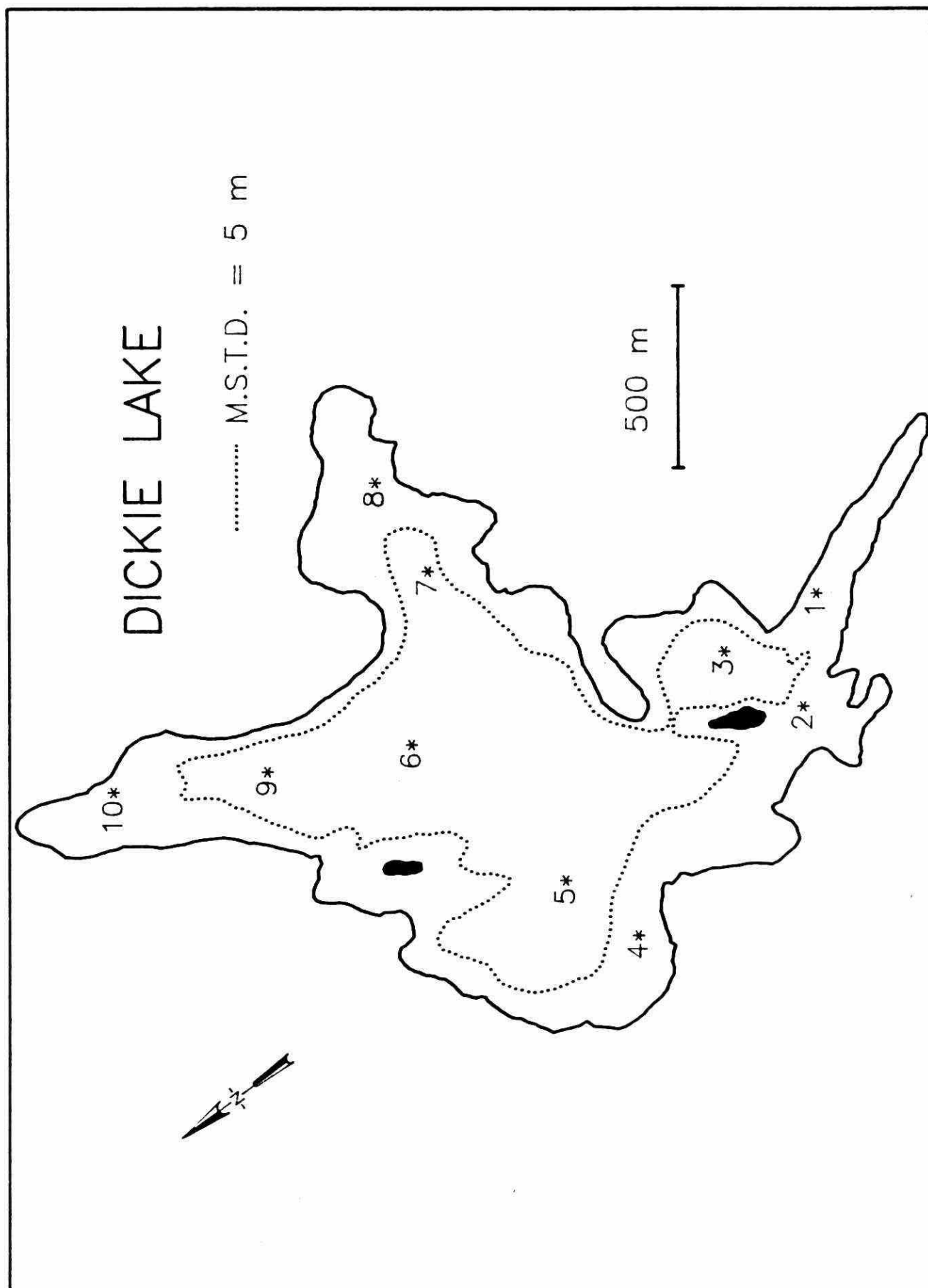


Figure 9. Sampling sites on Glen Lake.

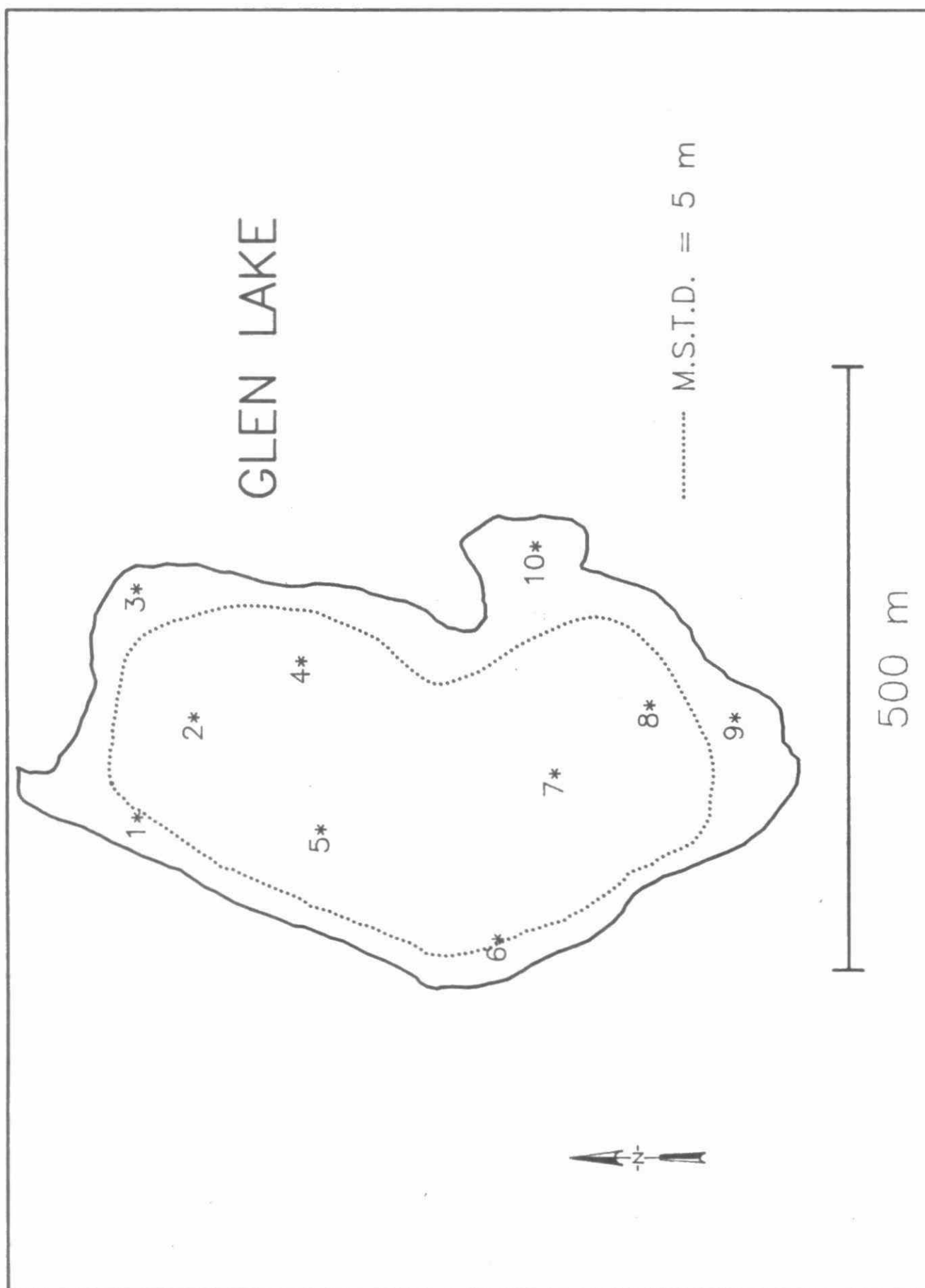


Figure 10. Sampling sites on Gullfeather Lake.

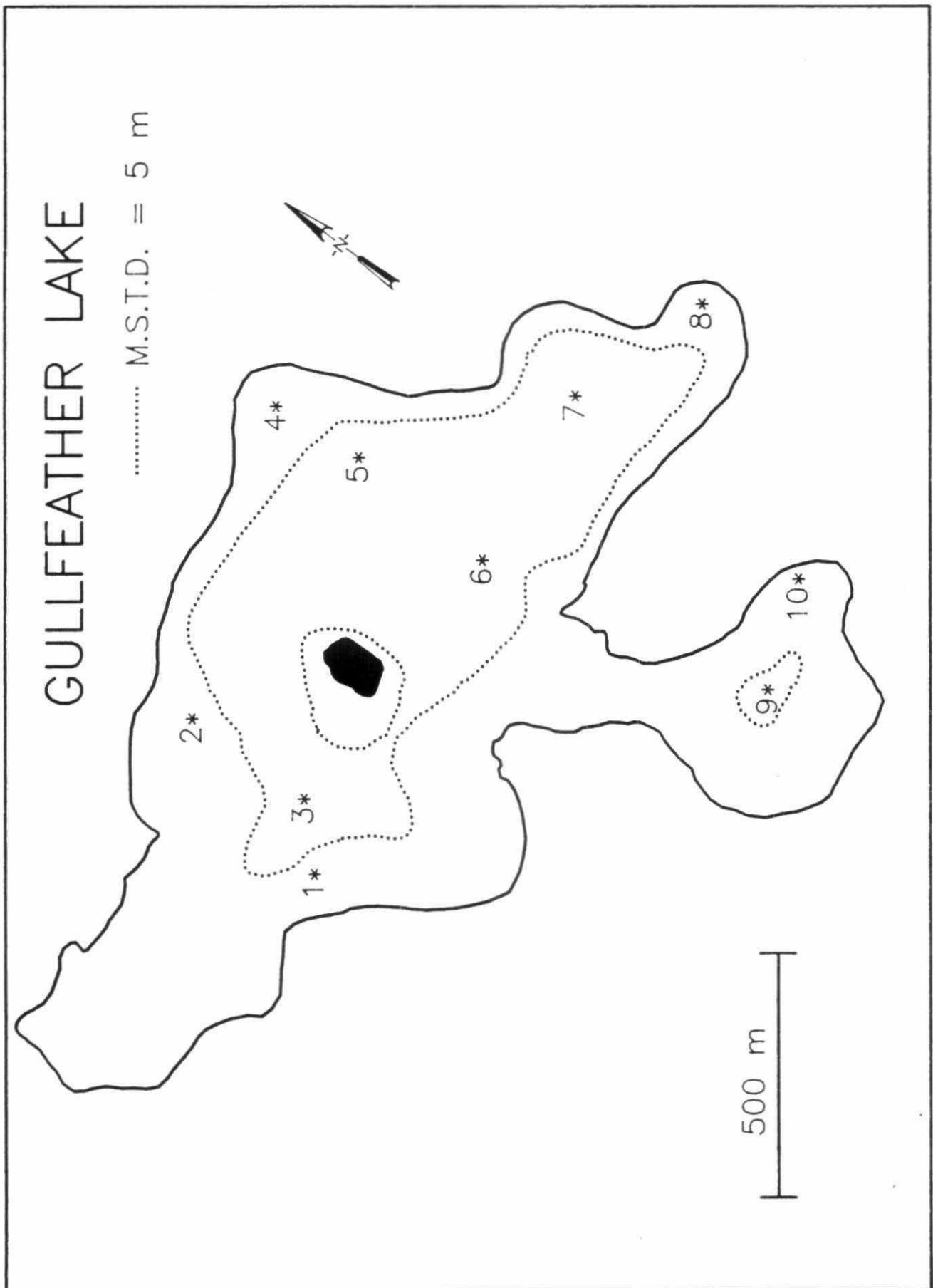


Figure 11. Sampling sites on Harp Lake.

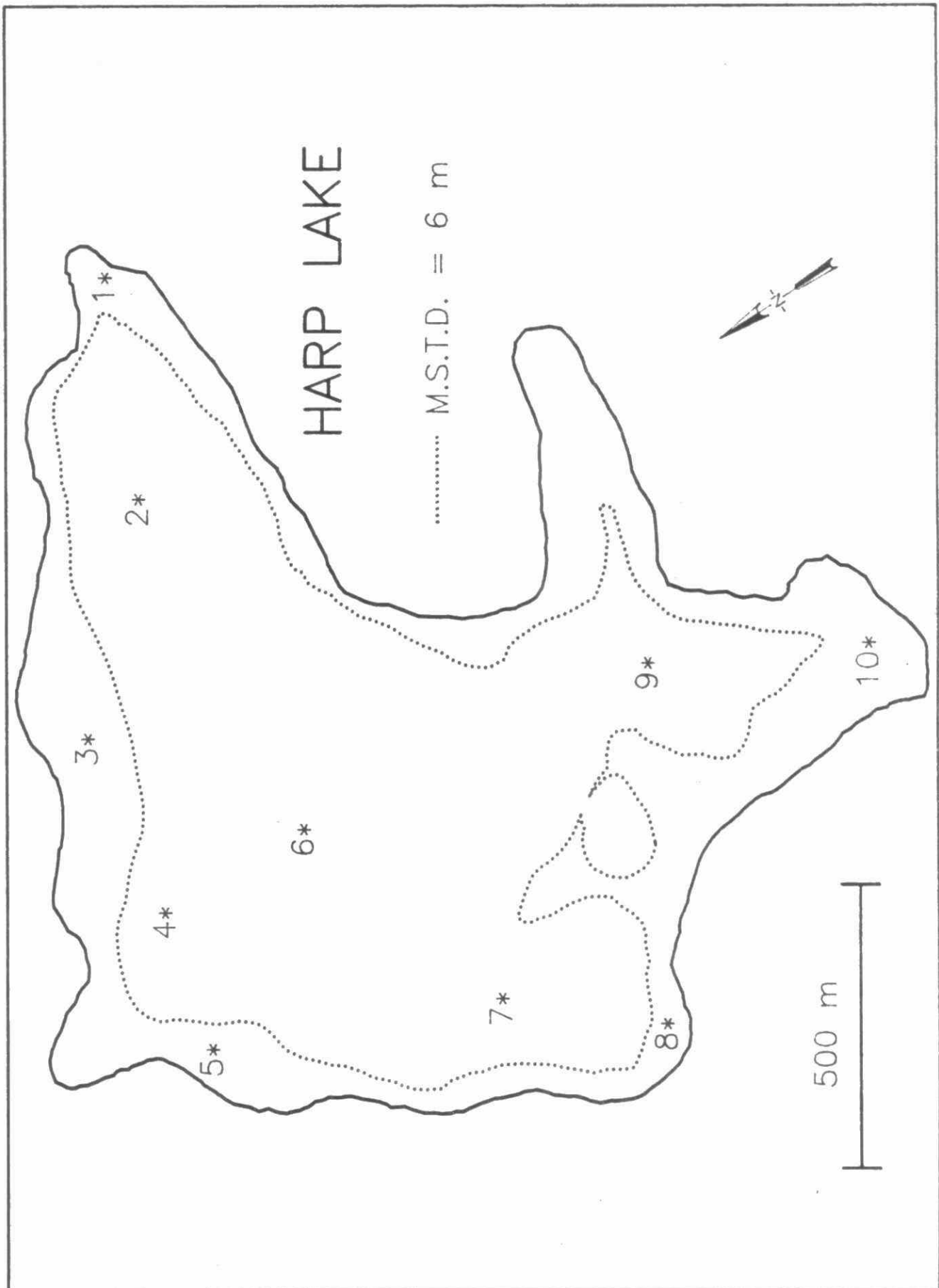


Figure 12. Sampling sites on Heney Lake.

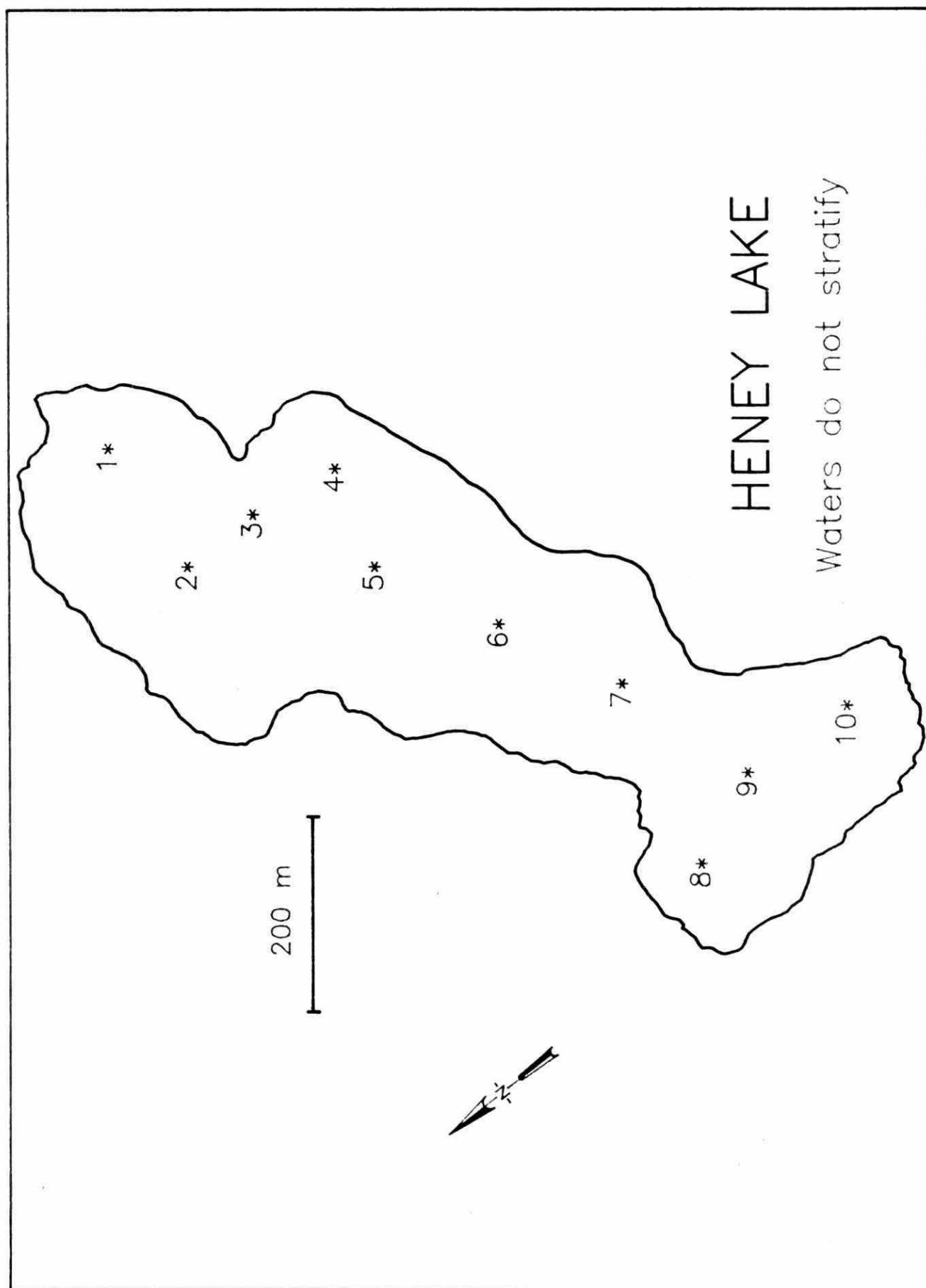


Figure 13. Sampling sites on Little Clear Lake.

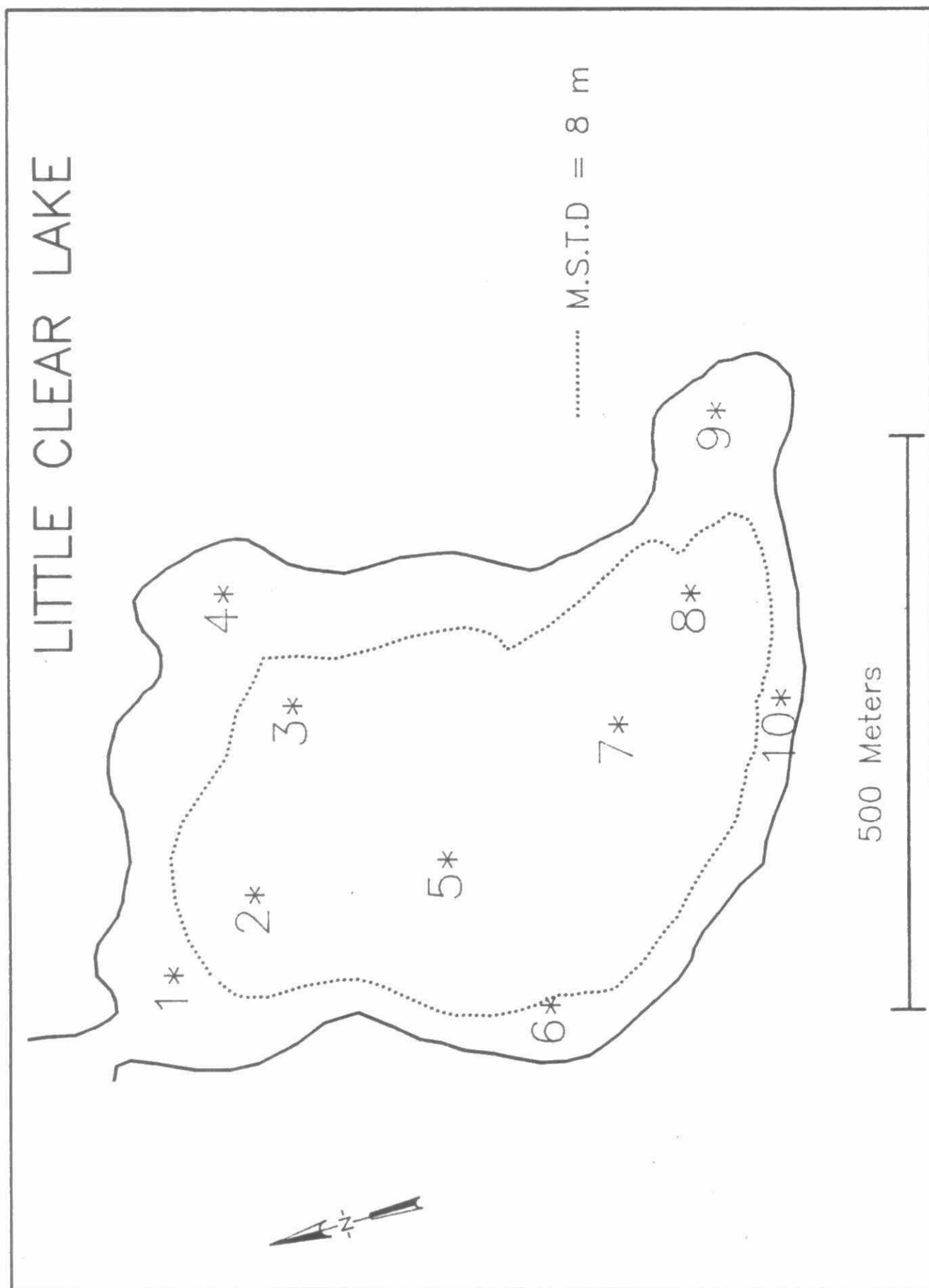


Figure 14. Sampling sites on Plastic Lake.

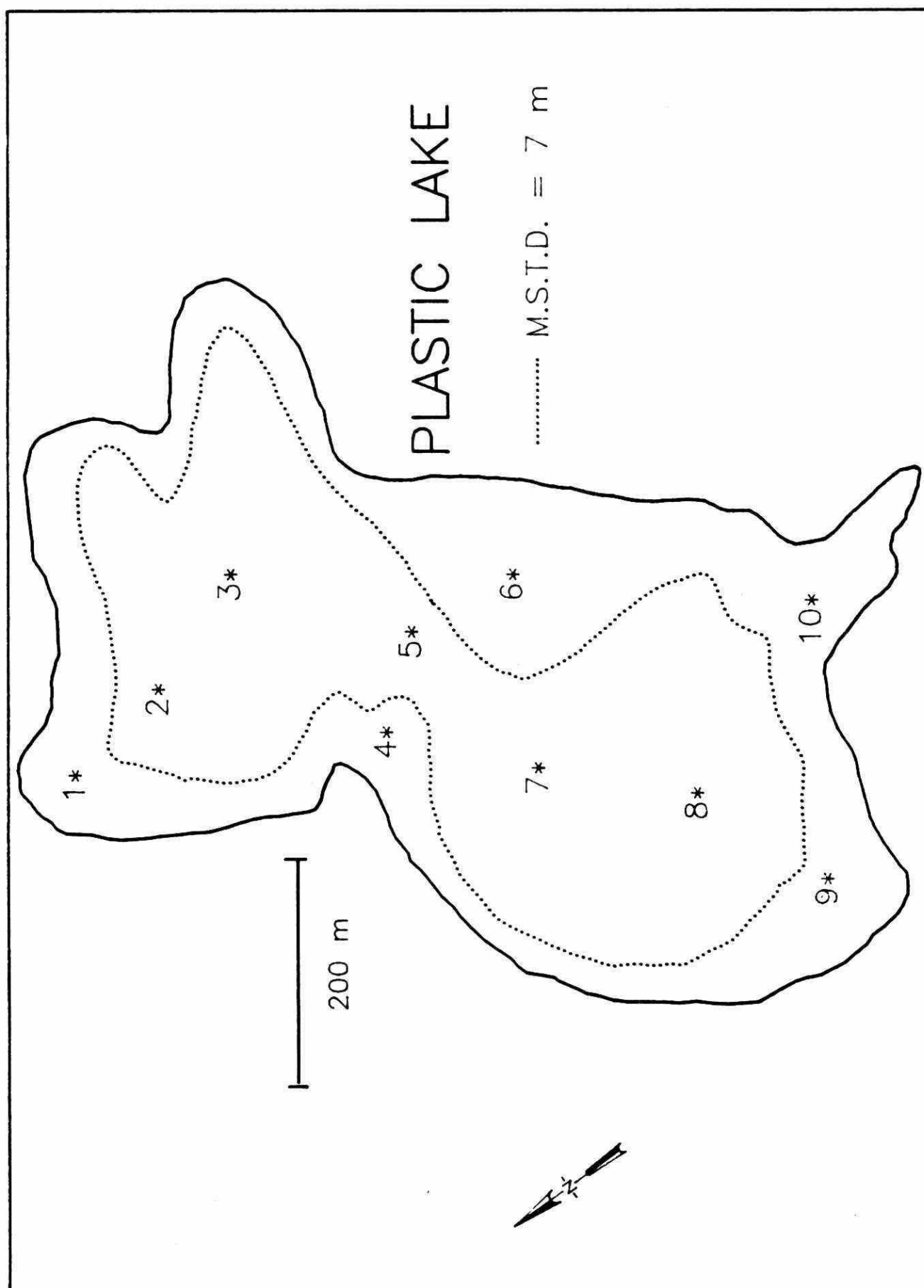


Figure 15. Sampling sites on Red Chalk Lake - east basin.

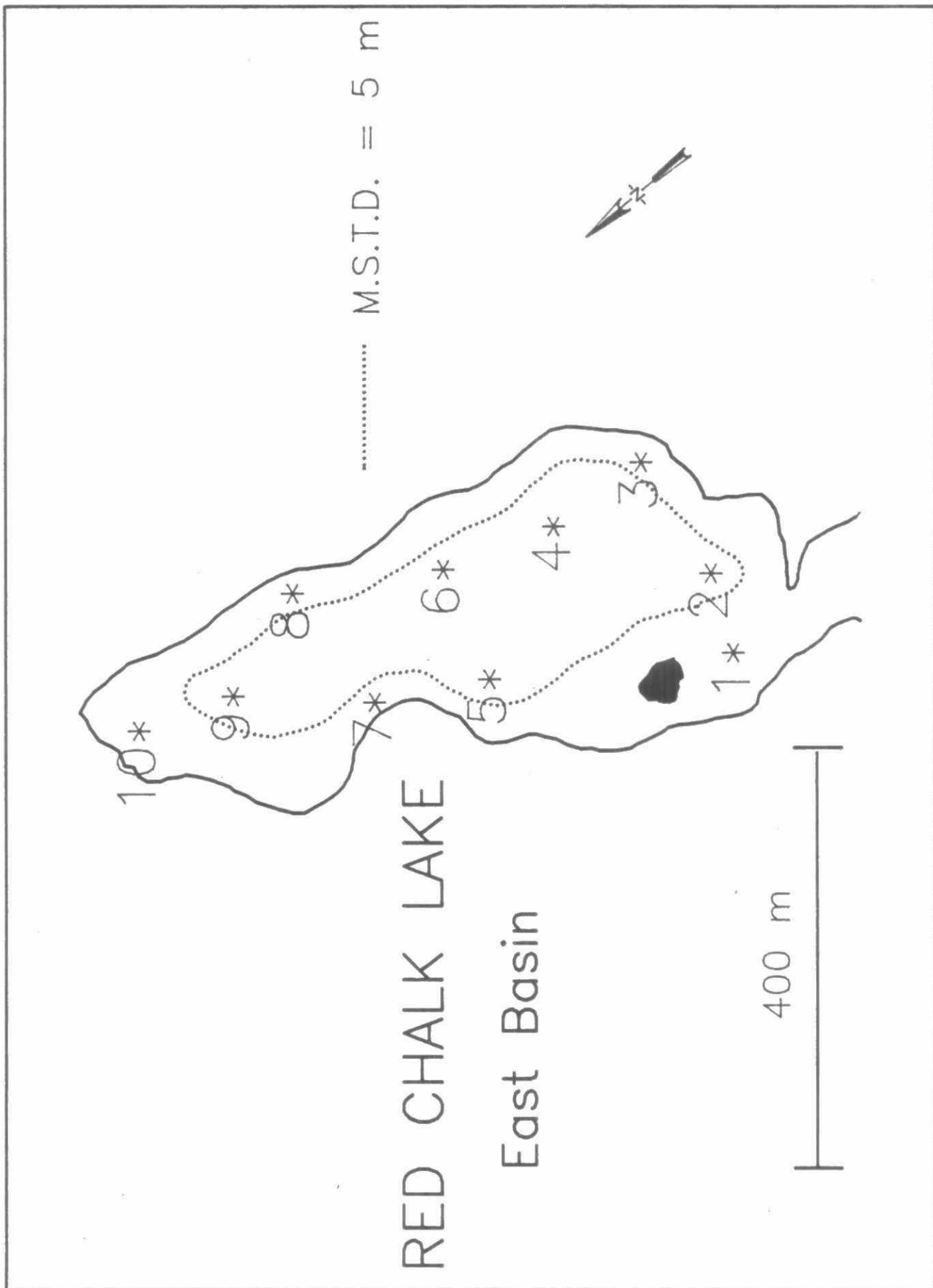


Figure 16. Sampling sites on Red Chalk Lake - main basin.

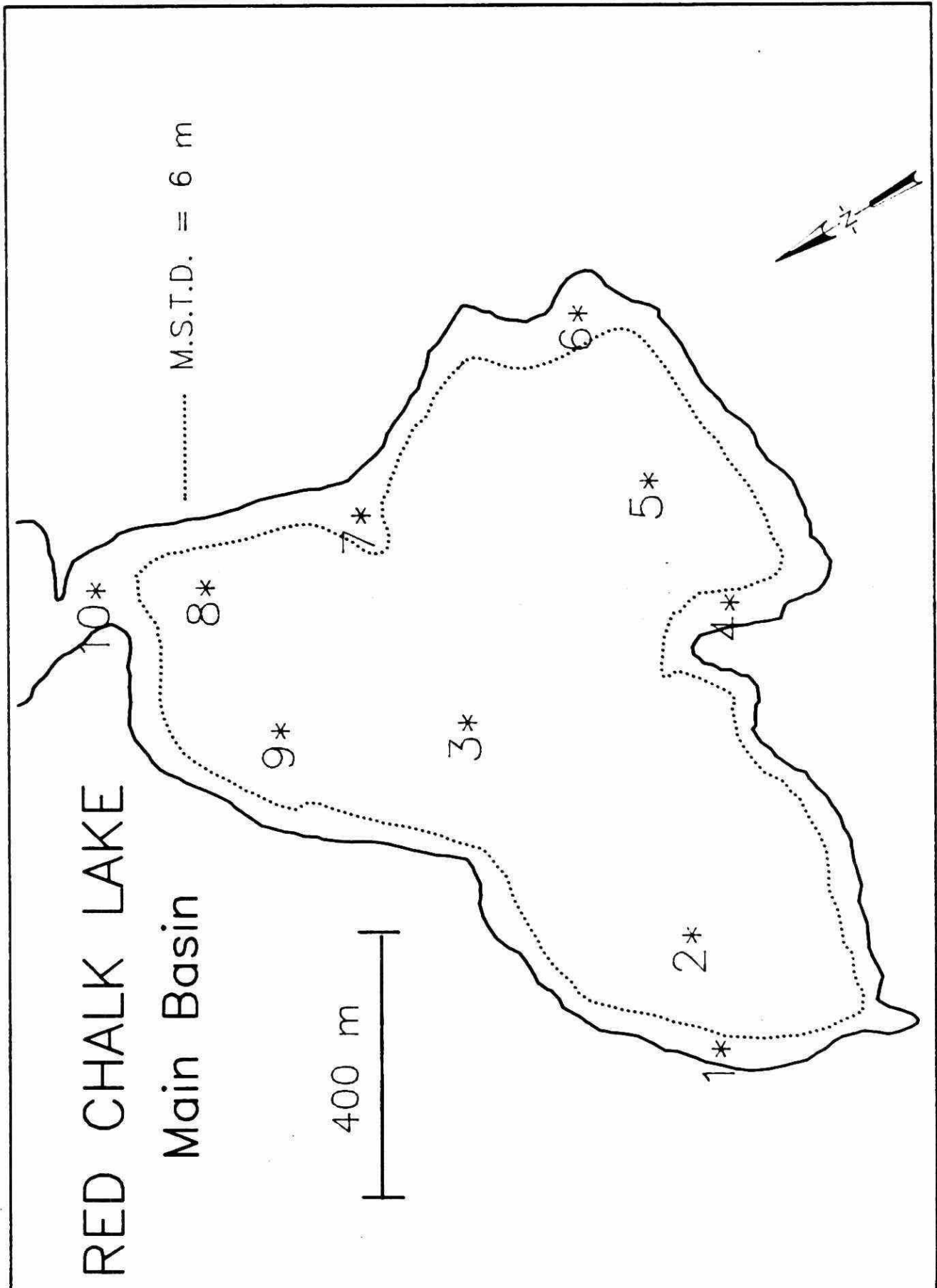


Figure 17. Sampling sites on Solitaire Lake.

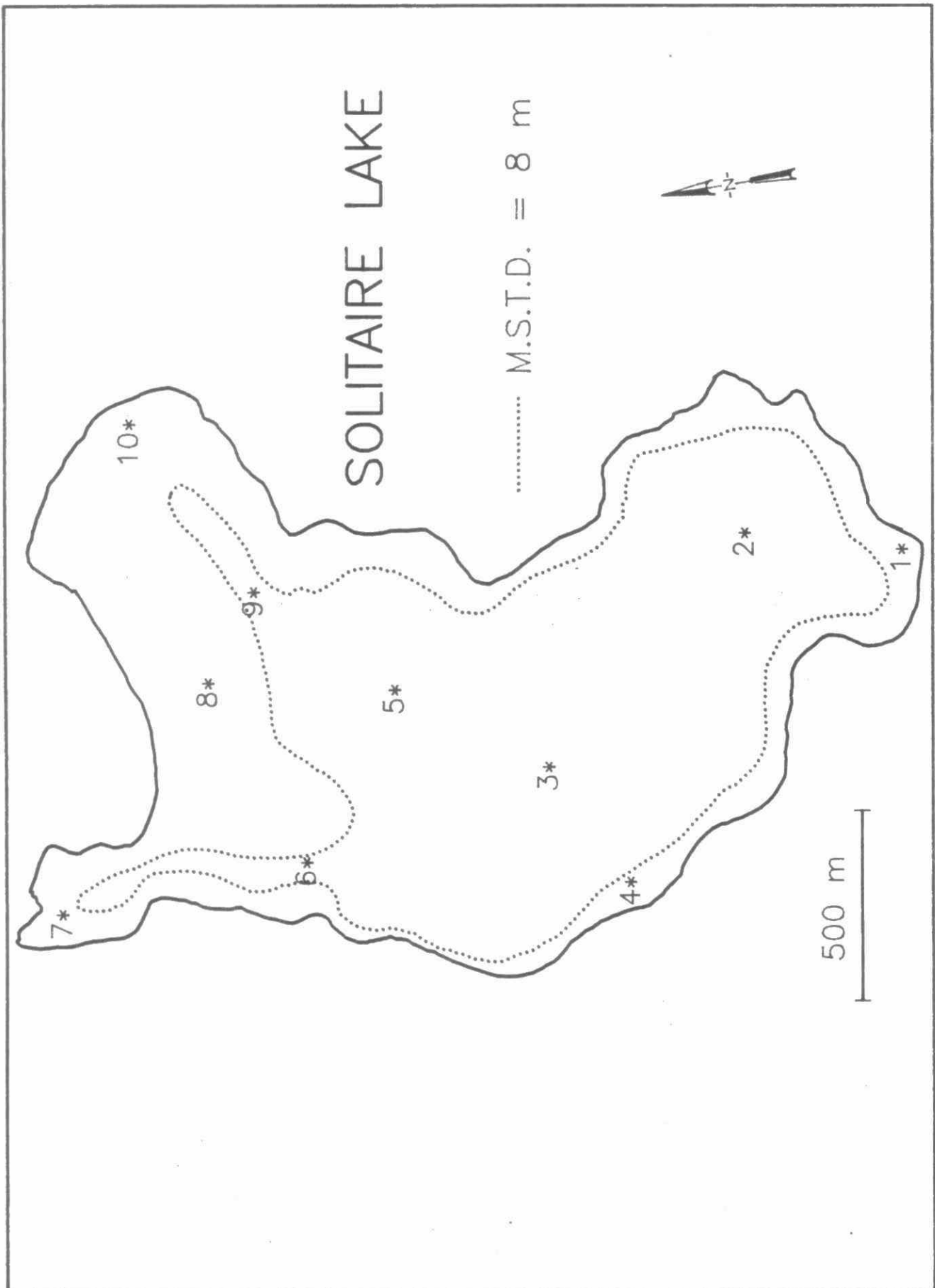
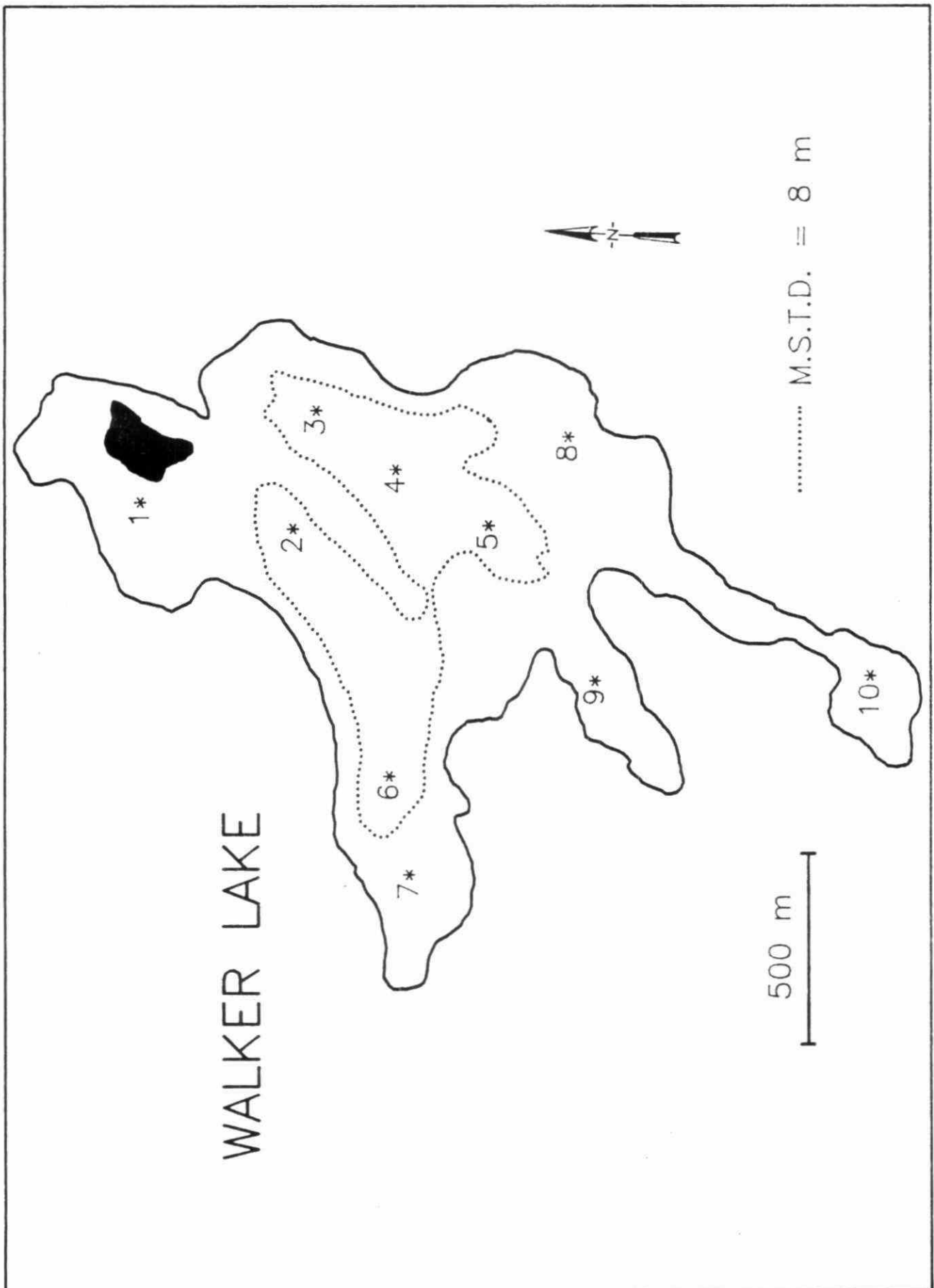


Figure 18. Sampling sites on Walker Lake.



Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	19:23	1	8.5	6.5	0.76						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	4	0	0	0	32	0	0	0	0
Mean Length (mm)	0	0	0	9.00	0	0	0	11.45	0	0	0	0
Stan. Dev.	0	0	0	0.67	0	0	0	0.94	0	0	0	0
Num. Measured	0	0	0	4	0	0	0	31	0	0	0	0
Mean Weight (ug/org)	0	0	0	219.00	0	0	0	267.59	0	0	0	0
Density (#/m^3)	0	0	0	7.56	0	0	0	60.46	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.65	0	0	0	16.18	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	19:19	2	5.0	3.0	0.35						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	1	13	0	0	0	0
Mean Length (mm)	0	0	0	10.16	0	0	7.52	11.27	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	1.12	0	0	0	0
Num. Measured	0	0	0	1	0	0	1	13	0	0	0	0
Mean Weight (ug/org)	0	0	0	327.27	0	0	57.74	262.75	0	0	0	0
Density {#/m^3}	0	0	0	4.09	0	0	4.09	53.21	0	0	0	0
Biomass {mg/m^3}	0	0	0	1.34	0	0	0.24	13.98	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	19:11	3	18.8	16.8	1.95						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	1	23	14	0	0	1	36	0	0	0	0
Mean Length (mm)	0	4.08	6.16	9.77	0	0	6.96	11.60	0	0	0	0
Stan. Dev.	0	0	0.42	0.58	0	0	0	0.80	0	0	0	0
Num. Measured	0	1	23	14	0	0	1	30	0	0	0	0
Mean Weight (ug/org)	0	18.56	73.44	287.46	0	0	48.56	271.64	0	0	0	0
Density {#/m^3}	0	0.73	16.81	10.23	0	0	0.73	26.31	0	0	0	0
Biomass {mg/m^3}	0	0.01	1.23	2.94	0	0	0.04	7.15	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Basshaunt	86/10/30				18:48	4	19.5				17.5	2.04			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			
Total Number	0	2	19	7	0	0	3	36	0	0	0	0			
Mean Length (mm)	0	3.04	6.12	8.88	0	0	7.56	11.79	0	0	0	0			
Stan. Dev.	0	0	0.32	0.81	0	0	1.19	0.69	0	0	0	0			
Num. Measured	0	2	18	7	0	0	2	28	0	0	0	0			
Mean Weight (ug/org)	0	14.69	72.43	209.48	0	0	58.43	276.77	0	0	0	0			
Density {#/m^3}	0	1.40	13.33	4.91	0	0	2.11	25.26	0	0	0	0			
Biomass {mg/m^3}	0	0.02	0.97	1.03	0	0	0.12	6.99	0	0	0	0			

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	18:43	5	6.0	4.0	0.47						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	0	0	0	3	5	0	0	0	0
Mean Length (mm)	0	0	6.00	0	0	0	5.96	11.62	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	1.30	0.76	0	0	0	0
Num. Measured	0	0	1	0	0	0	2	5	0	0	0	0
Mean Weight (ug/org)	0	0	69.46	0	0	0	34.31	272.17	0	0	0	0
Density (#/m^3)	0	0	3.07	0	0	0	9.21	15.35	0	0	0	0
Biomass (mg/m^3)	0	0	0.21	0	0	0	0.32	4.18	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	18:15	6	3.5	2.5	0.29						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	MV	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	MV	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	MV	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	MV	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	4.91	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	MV	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	18:33	7	5.8	4.0	0.47						
===== C. punctipennis =====												
===== C. flavicans =====												
===== C. trivittatus =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	18:28	8	10.0	8.0	0.93						
===== C. punctipennis =====												
===== C. flavicans =====												
===== C. trivittatus =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	3	2	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	7.23	11.88	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0.46	0.96	0	0	0	0
Num. Measured	0	0	0	0	0	0	3	2	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	52.88	279.20	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	4.61	3.07	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0.24	0.86	0	0	0	0

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Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)
Basshaunt	86/10/30	18:24	9	6.0	4.0	0.47
===== C. punctipennis =====						
Instar	1st	2nd	3rd	4th		
Total Number	0	0	0	1		
Mean Length (mm)	0	0	0	9.44		
Stan. Dev.	0	0	0	0		
Num. Measured	0	0	0	1		
Mean Weight (ug/org)	0	0	0	256.53		
Density (#/m^3)	0	0	0	3.07		
Biomass (mg/m^3)	0	0	0	0.79		
===== C. flavicans =====						
Instar	1st	2nd	3rd	4th		
Total Number	0	0	2	0		
Mean Length (mm)	0	0	7.76	0		
Stan. Dev.	0	0	1.13	0		
Num. Measured	0	0	2	0		
Mean Weight (ug/org)	0	0	61.95	0		
Density (#/m^3)	0	0	6.14	0		
Biomass (mg/m^3)	0	0	0.38	0		
===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th		
Total Number	0	0	0	0		
Mean Length (mm)	0	0	0	0		
Stan. Dev.	0	0	0	0		
Num. Measured	0	0	0	0		
Mean Weight (ug/org)	0	0	0	0		
Density (#/m^3)	0	0	0	0		
Biomass (mg/m^3)	0	0	0	0		

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Basshaunt	86/10/30	18:59	10	4.0	2.0	0.23						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	2	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	13.20	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	315.23	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	12.28	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	3.87	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Bigwind	86/11/04	19:55	1	6.0	4.0	0.47						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Bigwind	86/11/04	19:45	2	14.0	12.0	1.40						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	7	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.02	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.92	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	4	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	220.62	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	7.16	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.58	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Bigwind	86/11/04	19:35	3	5.5	3.5	0.41		
=====								
C. punctipennis			C. flavicans		C. trivittatus			
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	10.32	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	344.66	0	0	0	0
Density (#/m^3)	0	0	0	3.51	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.21	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Bigwind	86/11/04	19:40	4	14.5	12.5	1.45		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	11	0	0	0	0
Mean Length (mm)	0	0	0	9.77	0	0	0	0
Stan. Dev.	0	0	0	0.47	0	0	0	0
Num. Measured	0	0	0	7	0	0	0	0
Mean Weight (ug/org)	0	0	0	287.46	0	0	0	0
Density (#/m^3)	0	0	0	10.81	0	0	0	0
Biomass (mg/m^3)	0	0	0	3.11	0	0	0	0
===== C. flavicans =====								
===== C. trivittatus =====								

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Bigwind	86/11/04	19:25	5	7.0	5.0	0.58		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Bigwind	86/11/04	19:15	6	32.0	28.0	3.26						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	6	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.20	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.62	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	6	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	235.55	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	2.63	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.62	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Bigwind	86/11/04	18:35	7	34.0	28.0	3.26						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	12	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	7.28	9.43	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.50	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	11	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	104.55	255.63	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0.44	5.26	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0.05	1.53	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Bigwind	86/11/04	18:50	8	9.0	7.0	0.81						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Bigwind	86/11/04	18:25	9	14.0	12.0	1.40						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	3	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.57	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.53	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	3	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	268.42	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	3.07	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.82	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Bigwind	86/11/04	18:25	10	7.5	5.5	0.64						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Blue Chalk	86/10/16	20:37	1	7.0	4.0	0.47						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Blue Chalk	86/10/16	20:00	5	8.0	5.0	0.58						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	8.96	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	215.79	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	2.46	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.53	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Blue Chalk	86/10/16	19:50	6	6.0	3.0	0.35						
===== C. punctipennis =====			===== C. flavicans =====			===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Blue Chalk	86/10/16	19:20	7	20.0	17.0	1.98						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	51	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	9.24	0	0	0	11.04	0	0	0	0
Stan. Dev.	0	0	0	0.67	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	30	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	238.96	0	0	0	256.59	0	0	0	0
Density (#/m^3)	0	0	0	36.84	0	0	0	0.72	0	0	0	0
Biomass (mg/m^3)	0	0	0	8.80	0	0	0	0.19	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Blue Chalk	86/10/16	19:40	8	8.0	5.0	0.58						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	3	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.15	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.17	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	3	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	231.33	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	7.37	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.70	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Blue Chalk	86/10/16	20:44	9	5.5	2.5	0.29						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	2	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	6.24	8.56	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.23	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	2	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	75.47	185.49	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	4.91	9.82	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0.08	1.82	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Blue Chalk	86/10/16	20:50	10	11.0	8.0	0.93						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Buck	86/10/22	20:47	1	6.5	4.5	0.52						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Buck	86/10/22	20:42	2	16.0	14.0	1.63						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	0	0	0	0	0	0	1	0	0
Mean Length (mm)	0	0	5.84	0	0	0	0	0	0	5.04	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	0	0	0	0	0	0	1	0	0
Mean Weight (ug/org)	0	0	65.60	0	0	0	0	0	0	30.22	0	0
Density {#/m^3}	0	0	0.88	0	0	0	0	0	0	0.88	0	0
Biomass {mg/m^3}	0	0	0.06	0	0	0	0	0	0	0.03	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Buck	86/10/22				20:35	3	17.0				15.0	1.74			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th	
Total Number	0	0	0	0		0	0	0	2		0	0	0	1	
Mean Length (mm)	0	0	0	0		0	0	0	12.52		0	0	0	13.68	
Stan. Dev.	0	0	0	0		0	0	0	0.28		0	0	0	0	
Num. Measured	0	0	0	0		0	0	0	2		0	0	0	1	
Mean Weight (ug/org)	0	0	0	0		0	0	0	296.60		0	0	0	993.76	
Density (#/m^3)	0	0	0	0		0	0	0	1.64		0	0	0	0.82	
Biomass (mg/m^3)	0	0	0	0		0	0	0	0.49		0	0	0	0.81	

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Buck	86/10/22	20:18	4	26.8	25.0	2.91						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	0	0	0	0	1	0	0	1	0
Mean Length (mm)	0	0	5.36	0	0	0	0	12.24	0	0	9.44	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	0	0	0	0	1	0	0	1	0
Mean Weight (ug/org)	0	0	54.72	0	0	0	0	288.97	0	0	200.36	0
Density (#/m^3)	0	0	0.49	0	0	0	0	0.49	0	0	0.49	0
Biomass (mg/m^3)	0	0	0.03	0	0	0	0	0.14	0	0	0.10	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Buck	86/10/22	19:47	7	8.5	7.0	0.81		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	1	0
Mean Length (mm)	0	0	0	0	0	0	7.36	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	1	0
Mean Weight (ug/org)	0	0	0	0	0	0	104.27	0
Density (#/m^3)	0	0	0	0	0	0	1.75	0
Biomass (mg/m^3)	0	0	0	0	0	0	0.18	0
===== C. flavicans =====								
===== C. trivittatus =====								

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Buck	86/10/22	19:55	8	5.0	3.5	0.41		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Buck	86/10/22	19:44	9	6.0	4.5	0.52		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Buck	86/10/22	20:28	10	7.0	5.5	0.64		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Chub	86/10/27	18:00	1	4.8	3.0	0.35		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mq/m^3}	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mq/m^3}	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mq/m^3}	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Chub	86/10/27	18:10	2	5.0	3.0	0.35						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th				
Total Number	0	0	1	4	0	0	1	2	0	0	0	0
Mean Length (mm)	0	0	5.32	9.60	0	0	6.08	10.04	0	0	0	0
Stan. Dev.	0	0	0	0.20	0	0	0	2.43	0	0	0	0
Num. Measured	0	0	1	4	0	0	1	2	0	0	0	0
Mean Weight (ug/org)	0	0	53.86	271.22	0	0	35.88	230.01	0	0	0	0
Density (#/m^3)	0	0	4.09	16.37	0	0	4.09	8.19	0	0	0	0
Biomass (mg/m^3)	0	0	0.22	4.44	0	0	0.15	1.88	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Chub	86/10/27	18:15	3	10.5	9.0	1.05						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th				
Total Number	0	0	1	18	0	0	1	10	41	0	0	0
Mean Length (mm)	0	0	8.56	9.41	0	0	6.72	12.12	3.41	0	0	0
Stan. Dev.	0	0	0	0.35	0	0	0	0.93	0.33	0	0	0
Num. Measured	0	0	1	18	0	0	1	9	30	0	0	0
Mean Weight (ug/org)	0	0	271.22	253.84	0	0	44.89	285.71	14.86	0	0	0
Density (#/m^3)	0	0	1.36	24.56	0	0	1.36	13.64	55.94	0	0	0
Biomass (mg/m^3)	0	0	0.20	6.23	0	0	0.06	3.90	0.83	0	0	0
===== C. flavicans =====							===== C. trivittatus =====					

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Chub	86/10/27	18:20	4	18.0	16.0	1.86						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	30	0	0	1	26	218	1	1	0
Mean Length (mm)	0	0	0	8.98	0	0	6.72	11.07	3.43	4.56	8.32	0
Stan. Dev.	0	0	0	0.43	0	0	0	1.00	0.23	0	0	0
Num. Measured	0	0	0	28.00	0	0	1	25	26	1	1	0
Mean Weight (ug/org)	0	0	0	217.40	0	0	44.89	257.39	15.12	22.85	143.84	0
Density (#/m^3)	0	0	0	23.02	0	0	0.77	19.95	167.32	0.77	0.77	0
Biomass (mg/m^3)	0	0	0	5.01	0	0	0.03	5.14	2.53	0.02	0.11	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)																																
Chub	86/10/27				18:27	5	23.8				22.0	2.56																																
===== C. punctipennis =====															===== C. flavicans =====															===== C. trivittatus =====														
Instar	1st				2nd	3rd	4th	1st				2nd	3rd	4th	1st				2nd	3rd	4th																							
Total Number	0				0	0	62	0				0	0	28	161				0	0	3																							
Mean Length (mm)	0				0	0	9.25	0				0	0	11.79	3.45				0	0	13.93																							
Stan. Dev.	0				0	0	0.27	0				0	0	0.73	0.21				0	0	1.04																							
Num. Measured	0				0	0	30	0				0	0	28	25				0	0	3																							
Mean Weight (ug/org)	0				0	0	239.82	0				0	0	276.77	15.38				0	0	1080.85																							
Density (#/m^3)	0				0	0	34.61	0				0	0	15.63	89.87				0	0	1.67																							
Biomass (mg/m^3)	0				0	0	8.30	0				0	0	4.33	1.38				0	0	1.81																							

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Chub	86/10/27	18:35	6	6.5	4.5	0.52						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	6	0	0	0	0	1	0	0	0
Mean Length (mm)	0	0	0	9.39	0	0	0	0	3.12	0	0	0
Stan. Dev.	0	0	0	0.38	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	6	0	0	0	0	1	0	0	0
Mean Weight (ug/org)	0	0	0	252.05	0	0	0	0	11.42	0	0	0
Density (#/m^3)	0	0	0	16.37	0	0	0	0	2.73	0	0	0
Biomass (mg/m^3)	0	0	0	4.13	0	0	0	0	0.03	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)		Sample Volume (m^3)			
Chub	86/10/27				18:44	7	19.5				18.0		2.09			
===== C. punctipennis =====						===== C. flavicans =====				===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th		
Total Number	0	0	1	55		0	0	0	18		100	0	0	0		
Mean Length (mm)	0	0	8.56	9.29		0	0	0	10.93		3.40	0	0	0		
Stan. Dev.	0	0	0	0.53		0	0	0	1.21		0.31	0	0	0		
Num. Measured	0	0	1	19		0	0	0	14		29	0	0	0		
Mean Weight (ug/org)	0	0	147.24	243.27		0	0	0	253.64		14.73	0	0	0		
Density (#/m^3)	0	0	0.68	37.52		0	0	0	12.28		68.22	0	0	0		
Biomass (mg/m^3)	0	0	0.10	9.13		0	0	0	3.11		1.01	0	0	0		

Lake	Date		Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)					
Chub	86/10/27		18:56	8	4.3	2.5	0.29					
===== C. punctipennis =====				===== C. flavicans =====				===== C. trivittatus =====				
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	9	0	0	1	0	0	0	0	0
Mean Length (mm)	0	0	0	8.91	0	0	6.88	0	0	0	0	0
Stan. Dev.	0	0	0	0.55	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	9	0	0	1	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	211.83	0	0	47.32	0	0	0	0	0
Density (#/m^3)	0	0	0	44.21	0	0	4.91	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	9.36	0	0	0.23	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Chub	86/10/27	19:03	9	17.5	15.5	1.80						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	23	0	0	0	18	121	0	0	0
Mean Length (mm)	0	0	0	9.29	0	0	0	11.00	3.49	0	0	0
Stan. Dev.	0	0	0	0.40	0	0	0	1.32	0.26	0	0	0
Num. Measured	0	0	0	18	0	0	0	18	30	0	0	0
Mean Weight (ug/org)	0	0	0	243.27	0	0	0	255.52	15.92	0	0	0
Density (#/m^3)	0	0	0	18.22	0	0	0	14.26	96.66	0	0	0
Biomass (mg/m^3)	0	0	0	4.43	0	0	0	3.64	1.54	0	0	0
===== C. flavicans =====							===== C. trivittatus =====					

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)								
Chub	86/10/27				19:12	10	5.0				3.5	0.41								
===== C. punctipennis =====													===== C. flavicans =====				===== C. trivittatus =====			
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th						
Total Number	0	0	0	8		0	0	2	3		3	0	0	0						
Mean Length (mm)	0	0	0	9.66		0	0	7.00	10.68		3.36	0	0	0						
Stan. Dev.	0	0	0	0.74		0	0	0.06	0.51		0	0	0	0						
Num. Measured	0	0	0	4		0	0	2	2		1	0	0	0						
Mean Weight (ug/org)	0	0	0	276.88		0	0	49.18	246.97		14.22	0	0	0						
Density (#/m^3)	0	0	0	28.07		0	0	7.02	10.53		10.53	0	0	0						
Biomass (mg/m^3)	0	0	0	7.77		0	0	0.35	2.60		0.15	0	0	0						

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Clear	86/10/23	21:03	1	6.3	4.5	0.52						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)				Sample Volume (m^3)			
Clear	86/10/23				21:24	5	7.6				5.5				0.64			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th				
Total Number	0	0	0	34		0	0	0	0		0	0	0	0				
Mean Length (mm)	0	0	0	9.30		0	0	0	0		0	0	0	0				
Stan. Dev.	0	0	0	0.52		0	0	0	0		0	0	0	0				
Num. Measured	0	0	0	27		0	0	0	0		0	0	0	0				
Mean Weight (ug/org)	0	0	0	244.14		0	0	0	0		0	0	0	0				
Density {#/m^3}	0	0	0	75.91		0	0	0	0		0	0	0	0				
Biomass (mq/m^3)	0	0	0	18.53		0	0	0	0		0	0	0	0				

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Clear	86/10/23	20:41	6	19.0	16.0	1.86						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	55	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.76	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.43	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	30	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	286.49	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	42.21	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	12.09	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Clear	86/10/23	20:23	7	21.0	18.0	2.09						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	41	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.63	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.68	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	30	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	274.04	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	27.97	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	7.67	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Number	Depth (m)	Depth (m)	Volume (m^3)						
Crosson	86/10/29	20:45	1	5.5	3.5	0.41						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	20:50	2	11.3	9.3	1.08						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	2	0	1	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.00	0	8.24	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.06	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	2	0	1	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	219.00	0	100.48	0	0	0	0	0	0
Density (#/m^3)	0	0	0	2.66	0	1.33	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.58	0	0.13	0	0	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Crosson	86/10/29				20:58	3	5.0				3.0	0.35			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			
Total Number	0	0	0	1	0	0	0	1	0	0	0	0			
Mean Length (mm)	0	0	0	9.44	0	0	0	13.44	0	0	0	0			
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0			
Num. Measured	0	0	0	1	0	0	0	1	0	0	0	0			
Mean Weight (ug/org)	0	0	0	256.53	0	0	0	321.84	0	0	0	0			
Density (#/m^3)	0	0	0	4.09	0	0	0	4.09	0	0	0	0			
Biomass (mg/m^3)	0	0	0	1.05	0	0	0	1.32	0	0	0	0			

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	21:04	4	15.0	13.0	1.51						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	5	0	0	0	24	0	0	0	0
Mean Length (mm)	0	0	0	9.52	0	0	0	11.17	0	0	0	0
Stan. Dev.	0	0	0	0.28	0	0	0	0.97	0	0	0	0
Num. Measured	0	0	0	4	0	0	0	23	0	0	0	0
Mean Weight (ug/org)	0	0	0	263.80	0	0	0	260.07	0	0	0	0
Density (#/m^3)	0	0	0	4.72	0	0	0	22.67	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.25	0	0	0	5.90	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	21:14	5	19.8	18.0	2.09						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	5	0	0	0	8	0	0	0	0
Mean Length (mm)	0	0	0	9.10	0	0	0	10.84	0	0	0	0
Stan. Dev.	0	0	0	0.49	0	0	0	0.67	0	0	0	0
Num. Measured	0	0	0	5	0	0	0	8	0	0	0	0
Mean Weight (ug/org)	0	0	0	227.17	0	0	0	251.24	0	0	0	0
Density (#/m^3)	0	0	0	3.41	0	0	0	5.46	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.77	0	0	0	1.37	0	0	0	0

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Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	21:29	6	5.8	3.8	0.44						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	2	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	9.76	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0.11	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	2	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	222.63	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	6.55	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	1.46	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	21:24	7	11.0	9.0	1.05						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	3	0	0	0	0
Mean Length (mm)	0	0	0	10.00	0	0	0	11.25	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0.30	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	3	0	0	0	0
Mean Weight (ug/org)	0	0	0	310.50	0	0	0	262.22	0	0	0	0
Density (#/m^3)	0	0	0	1.36	0	0	0	4.09	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.42	0	0	0	1.07	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	21:36	8	5.0	3.0	0.35						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	21:41	9	9.0	7.0	0.81						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	1	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	8.40	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	1	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	73.98	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	1.75	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0.13	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Crosson	86/10/29	21:48	10	5.0	3.0	0.35						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	20:50	1	4.0	2.5	0.29						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Dickie	86/10/21				20:57	2	6.0				3.5	0.41			
===== C. punctipennis =====						===== C. flavicans =====				===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th	
Total Number	0	0	1	2		1	0	0	1		0	0	0	0	
Mean Length (mm)	0	0	5.68	8.16		4.32	0	0	11.68		0	0	0	0	
Stan. Dev.	0	0	0	0.57		0	0	0	0		0	0	0	0	
Num. Measured	0	0	1	2		1	0	0	1		0	0	0	0	
Mean Weight (ug/org)	0	0	61.86	158.29		19.49	0	0	273.79		0	0	0	0	
Density {#/m^3}	0	0	3.51	7.02		3.51	0	0	3.51		0	0	0	0	
Biomass {mg/m^3}	0	0	0.22	1.11		0.07	0	0	0.96		0	0	0	0	

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:03	3	10.0	8.0	0.93						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	8	46	0	2	0	8	0	0	0	0
Mean Length (mm)	0	0	5.45	9.40	0	6.76	0	10.67	0	0	0	0
Stan. Dev.	0	0	0.47	0.40	0	0.06	0	0.82	0	0	0	0
Num. Measured	0	0	7	27	0	2	0	8	0	0	0	0
Mean Weight (ug/org)	0	0	56.69	252.95	0	58.52	0	246.71	0	0	0	0
Density (#/m^3)	0	0	12.28	70.61	0	3.07	0	12.28	0	0	0	0
Biomass (mg/m^3)	0	0	0.70	17.86	0	0.18	0	3.03	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:13	4	4.3	2.5	0.29						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	1	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	5.92	9.68	0	0	0	10.00	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	1	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	67.52	278.78	0	0	0	228.95	0	0	0	0
Density (#/m^3)	0	0	4.91	4.91	0	0	0	4.91	0	0	0	0
Biomass (mg/m^3)	0	0	0.33	1.37	0	0	0	1.12	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:18	5	7.0	5.0	0.58						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	2	35	0	0	0	15	0	0	0	0
Mean Length (mm)	0	0	4.76	9.25	0	0	0	10.41	0	0	0	0
Stan. Dev.	0	0	0.40	0.29	0	0	0	0.63	0	0	0	0
Num. Measured	0	0	2	27	0	0	0	15	0	0	0	0
Mean Weight (ug/org)	0	0	42.58	239.82	0	0	0	239.80	0	0	0	0
Density (#/m^3)	0	0	4.91	85.96	0	0	0	36.84	0	0	0	0
Biomass (mg/m^3)	0	0	0.21	20.61	0	0	0	8.83	0	0	0	0
===== C. flavicans =====							===== C. trivittatus =====					

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:26	6	9.5	8.0	0.93						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	5	38	0	0	0	19	0	0	0	0
Mean Length (mm)	0	0	5.46	9.29	0	0	0	10.45	0	0	0	0
Stan. Dev.	0	0	0.21	0.44	0	0	0	0.53	0	0	0	0
Num. Measured	0	0	5	28	0	0	0	19	0	0	0	0
Mean Weight (ug/org)	0	0	56.91	243.27	0	0	0	240.86	0	0	0	0
Density (#/m^3)	0	0	7.68	58.33	0	0	0	29.16	0	0	0	0
Biomass (mg/m^3)	0	0	0.44	14.19	0	0	0	7.02	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:32	7	7.0	5.0	0.58						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	2	5	0	0	0	2	0	0	0	0
Mean Length (mm)	0	0	5.92	9.17	0	0	0	10.60	0	0	0	0
Stan. Dev.	0	0	0.23	0.39	0	0	0	0.17	0	0	0	0
Num. Measured	0	0	2	5	0	0	0	2	0	0	0	0
Mean Weight (ug/org)	0	0	67.52	233.01	0	0	0	244.84	0	0	0	0
Density (#/m^3)	0	0	4.91	12.28	0	0	0	4.91	0	0	0	0
Biomass (mg/m^3)	0	0	0.33	2.86	0	0	0	1.20	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:37	8	5.3	3.0	0.35						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	2	0	0	0	0
Mean Length (mm)	0	0	0	9.36	0	0	0	11.16	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0.74	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	2	0	0	0	0
Mean Weight (ug/org)	0	0	0	249.40	0	0	0	259.80	0	0	0	0
Density (#/m^3)	0	0	0	4.09	0	0	0	8.19	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.02	0	0	0	2.13	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:42	9	10.5	9.0	1.05						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	9	25	0	0	0	11	0	0	0	0
Mean Length (mm)	0	0	5.90	9.27	0	0	0	10.59	0	0	0	0
Stan. Dev.	0	0	0.73	0.49	0	0	0	0.53	0	0	0	0
Num. Measured	0	0	9	25	0	0	0	11	0	0	0	0
Mean Weight (ug/org)	0	0	67.04	241.54	0	0	0	244.58	0	0	0	0
Density {#/m^3}	0	0	12.28	34.11	0	0	0	15.01	0	0	0	0
Biomass {mg/m^3}	0	0	0.82	8.24	0	0	0	3.67	0	0	0	0
===== C. flavicans =====							===== C. trivittatus =====					

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Dickie	86/10/21	21:52	10	7.3	5.0	0.58						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	14	0	0	0	9	0	0	0	0
Mean Length (mm)	0	0	5.76	9.17	0	0	0	10.24	0	0	0	0
Stan. Dev.	0	0	0	0.50	0	0	0	0.73	0	0	0	0
Num. Measured	0	0	1	14	0	0	0	9	0	0	0	0
Mean Weight (ug/org)	0	0	63.72	233.01	0	0	0	235.29	0	0	0	0
Density (#/m^3)	0	0	2.46	34.38	0	0	0	22.10	0	0	0	0
Biomass (mg/m^3)	0	0	0.16	8.01	0	0	0	5.20	0	0	0	0
===== C. flavicans =====							===== C. trivittatus =====					

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Glen	86/10/30	21:12	1	6.0	4.0	0.47						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Glen	86/10/30	21:02	2	7.5	5.5	0.64						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	2	0	0	0	11	0	0	0	0
Mean Length (mm)	0	0	0	9.16	0	0	0	10.98	0	0	0	0
Stan. Dev.	0	0	0	0.40	0	0	0	0.57	0	0	0	0
Num. Measured	0	0	0	2	0	0	0	11	0	0	0	0
Mean Weight (ug/org)	0	0	0	232.17	0	0	0	254.98	0	0	0	0
Density {#/m^3}	0	0	0	4.47	0	0	0	24.56	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.04	0	0	0	6.26	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Glen	86/10/30	20:58	3	5.5	3.5	0.41						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Glen	86/10/30				20:11	4	8.5				6.5	0.76			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th	
Total Number	0	0	0	2		0	0	1	0		0	0	0	0	
Mean Length (mm)	0	0	0	8.68		0	0	7.44	0		0	0	0	0	
Stan. Dev.	0	0	0	0.17		0	0	0	0		0	0	0	0	
Num. Measured	0	0	0	2		0	0	1	0		0	0	0	0	
Mean Weight (ug/org)	0	0	0	194.25		0	0	56.38	0		0	0	0	0	
Density {#/m^3}	0	0	0	3.78		0	0	1.89	0		0	0	0	0	
Biomass {mg/m^3}	0	0	0	0.73		0	0	0.11	0		0	0	0	0	

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Glen	86/10/30	20:52	5	7.5	5.5	0.64						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	7	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	11.06	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0.38	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	7	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	257.12	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	15.63	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	4.02	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Glen	86/10/30	20:47	6	6.5	4.5	0.52						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	11.60	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	271.64	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	2.73	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0.74	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Glen	86/10/30	20:38	7	13.5	11.5	1.34						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	4	0	0	0	0
Mean Length (mm)	0	0	0	9.60	0	0	0	10.92	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0.55	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	4	0	0	0	0
Mean Weight (ug/org)	0	0	0	271.22	0	0	0	253.38	0	0	0	0
Density (#/m^3)	0	0	0	1.07	0	0	0	4.27	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.29	0	0	0	1.08	0	0	0	0
===== C. flavicans =====							===== C. trivittatus =====					

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Glen	86/10/30	20:33	8	13.5	11.5	1.34						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th				
Total Number	0	0	0	1	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	9.44	0	0	0	11.04	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	256.53	0	0	0	256.59	0	0	0	0
Density {#/m^3}	0	0	0	1.07	0	0	0	1.07	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.27	0	0	0	0.27	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Gullfeather	86/10/29	19:49	1	3.5	1.5	0.17						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	3	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.25	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	1.24	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	3	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	239.82	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	24.56	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	5.89	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Gullfeather	86/10/29	19:57	2	4.0	2.0	0.23						
===== C. punctipennis =====			===== C. flavicans =====			===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	2	17	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	5.80	9.30	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0.06	0.41	0	0	0	0	0	0	0	0
Num. Measured	0	0	2	17	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	64.66	244.14	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	12.28	104.38	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0.79	25.48	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Gullfeather	86/10/29	19:53	3	4.0	2.0	0.23						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	3	1	2	0	0	1	1	0	0	0	0
Mean Length (mm)	0	3.92	4.80	9.68	0	0	8.06	11.84	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	1	1	1	0	0	1	1	0	0	0	0
Mean Weight (ug/org)	0	17.98	43.34	278.78	0	0	67.44	278.12	0	0	0	0
Density (#/m^3)	0	18.42	6.14	12.28	0	0	6.14	6.14	0	0	0	0
Biomass (mg/m^3)	0	0.33	0.27	3.42	0	0	0.41	1.71	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)		Sample Volume (m^3)			
Gullfeather	86/10/29				19:34	4	5.8				3.8		0.44			
===== C. punctipennis =====						===== C. flavicans =====				===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th		
Total Number	0	0	1	21		0	0	0	1		0	0	0	0		
Mean Length (mm)	0	0	5.84	9.09		0	0	0	11.44		0	0	0	0		
Stan. Dev.	0	0	0	0.53		0	0	0	0		0	0	0	0		
Num. Measured	0	0	1	19		0	0	0	1		0	0	0	0		
Mean Weight (ug/org)	0	0	65.60	226.34		0	0	0	267.32		0	0	0	0		
Density {#/m^3}	0	0	3.27	68.77		0	0	0	3.27		0	0	0	0		
Biomass (mg/m^3)	0	0	0.21	15.57		0	0	0	0.88		0	0	0	0		

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Gullfeather	86/10/29	19:27	5	9.3	7.3	0.84						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====	5						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	3	36	0	0	0	22	0	0	0	0
Mean Length (mm)	0	0	5.25	9.22	0	0	0	11.19	0	0	0	0
Stan. Dev.	0	0	0.26	0.65	0	0	0	0.55	0	0	0	0
Num. Measured	0	0	3	25	0	0	0	19	0	0	0	0
Mean Weight (ug/org)	0	0	52.38	237.25	0	0	0	260.61	0	0	0	0
Density (#/m^3)	0	0	5.08	60.98	0	0	0	37.26	0	0	0	0
Biomass (mg/m^3)	0	0	0.27	14.47	0	0	0	9.71	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Gullfeather	86/10/29	19:21	6	9.5	7.5	0.87						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	1	3	10	0	0	0	9	0	0	0	0
Mean Length (mm)	0	4.20	5.52	9.43	0	0	0	11.20	0	0	0	0
Stan. Dev.	0	0	0.21	0.40	0	0	0	0.78	0	0	0	0
Num. Measured	0	1	3	10	0	0	0	9	0	0	0	0
Mean Weight (ug/org)	0	18.99	58.24	255.63	0	0	0	260.87	0	0	0	0
Density {#/m^3}	0	1.64	4.91	16.37	0	0	0	14.74	0	0	0	0
Biomass {mg/m^3}	0	0.03	0.29	4.19	0	0	0	3.84	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Gullfeather	86/10/29	19:16	7	10.0	8.0	0.93						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	28	0	0	0	13	0	0	0	0
Mean Length (mm)	0	0	6.16	9.36	0	0	0	11.29	0	0	0	0
Stan. Dev.	0	0	0	0.49	0	0	0	0.69	0	0	0	0
Num. Measured	0	0	1	25	0	0	0	11	0	0	0	0
Mean Weight (ug/org)	0	0	73.44	249.40	0	0	0	263.29	0	0	0	0
Density {#/m^3}	0	0	1.54	42.98	0	0	0	19.95	0	0	0	0
Biomass {mg/m^3}	0	0	0.11	10.72	0	0	0	5.25	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Gullfeather	86/10/29	19:09	8	5.3	3.3	0.38						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	6.16	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	73.44	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	3.78	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0.28	0	0	0	0	0	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Gullfeather	86/10/29				18:58	9	3.0				1.0	0.12			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th	
Total Number	0	0	1	12		0	0	0	0		0	0	0	0	
Mean Length (mm)	0	0	5.36	8.78		0	0	0	0		0	0	0	0	
Stan. Dev.	0	0	0	0.75		0	0	0	0		0	0	0	0	
Num. Measured	0	0	1	12		0	0	0	0		0	0	0	0	
Mean Weight (ug/org)	0	0	54.72	201.76		0	0	0	0		0	0	0	0	
Density (#/m^3)	0	0	12.28	147.36		0	0	0	0		0	0	0	0	
Biomass (mg/m^3)	0	0	0.67	29.73		0	0	0	0		0	0	0	0	

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Gullfeather	86/10/29				19:02	10	3.0				1.0	0.12			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th	
Total Number	0	0	1	6		0	0	0	0		0	0	0	0	
Mean Length (mm)	0	0	5.60	8.95		0	0	0	0		0	0	0	0	
Stan. Dev.	0	0	0	0.42		0	0	0	0		0	0	0	0	
Num. Measured	0	0	1	6		0	0	0	0		0	0	0	0	
Mean Weight (ug/org)	0	0	60.03	215.00		0	0	0	0		0	0	0	0	
Density {#/m^3}	0	0	12.28	73.68		0	0	0	0		0	0	0	0	
Biomass {mq/m^3}	0	0	0.74	15.84		0	0	0	0		0	0	0	0	

Lake	Date				Time		Station Number	Station Depth (m)		Sample Depth (m)	Sample Volume (m^3)			
Harp	86/10/20				21:30		1	5.5		3.0	0.35			
===== C. punctipennis =====							===== C. flavicans =====		===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th		
Total Number	0	0	0	0	0	0	0	0	0	0	0	0		
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0		
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0		
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0		
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0		
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0		
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0		

Lake	Date				Time		Station Number	Station Depth (m)		Sample Depth (m)	Sample Volume (m^3)													
Harp	86/10/20				21:35		2	12.0		9.0	1.05													
===== C. punctipennis =====														===== C. flavicans =====				===== C. trivittatus =====						
Instar	1st		2nd		3rd		4th		1st		2nd		3rd		4th		1st		2nd		3rd		4th	
Total Number	0		0		0		5		0		0		0		0		0		0		0		0	
Mean Length (mm)	0		0		0		10.18		0		0		0		0		0		0		0		0	
Stan. Dev.	0		0		0		0.42		0		0		0		0		0		0		0		0	
Num. Measured	0		0		0		4		0		0		0		0		0		0		0		0	
Mean Weight (ug/org)	0		0		0		329.41		0		0		0		0		0		0		0		0	
Density (#/m^3)	0		0		0		6.82		0		0		0		0		0		0		0		0	
Biomass (mg/m^3)	0		0		0		2.25		0		0		0		0		0		0		0		0	

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Harp	86/10/20	21:45	3	5.5	3.0	0.35						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====							===== C. trivittatus =====					

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Harp	86/10/20	21:50	4	12.5	9.5	1.11		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	10.56	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	371.95	0	0	0	0
Density (#/m^3)	0	0	0	1.29	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.48	0	0	0	0
===== C. flavicans =====								
===== C. trivittatus =====								

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Harp	86/10/20	21:55	5	5.0	3.0	0.35						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Harp	86/10/20	21:15	6	34.5	28.0	3.26						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Harp	86/10/20	22:00	7	9.5	6.5	0.76						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Harp	86/10/20	22:05	8	5.0	3.0	0.35						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Harp	86/10/20	22:15	9	9.5	6.5	0.76						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	3	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	10.67	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.44	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	3	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	384.94	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	5.67	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	2.18	0	0	0	0	0	0	0	0

Lake	Date		Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)					
Harp	86/10/20		22:30	10	5.0	3.0	0.35					
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)
Heney	86/10/21	20:00	1	3.5	2.0	0.23
===== C. punctipennis =====						
Instar	1st	2nd	3rd	4th		
Total Number	0	0	0	0		
Mean Length (mm)	0	0	0	0		
Stan. Dev.	0	0	0	0		
Num. Measured	0	0	0	0		
Mean Weight (ug/org)	0	0	0	0		
Density {#/m^3}	0	0	0	0		
Biomass {mg/m^3}	0	0	0	0		

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Heney	86/10/21	19:55	2	4.0	2.5	0.29						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Heney	86/10/21	19:50	3	4.8	3.0	0.35						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Heney	86/10/21	19:45	4	6.0	4.0	0.47						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Heney	86/10/21	19:40	5	4.0	2.5	0.29						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Heney	86/10/21	19:35	6	4.0	2.5	0.29		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Heney	86/10/21	19:30	7	4.5	3.0	0.35						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Heney	86/10/21	19:25	8	4.0	2.5	0.29		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Heney	86/10/21	19:20	9	4.5	4.0	0.47						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====	Σ						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	5.20	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	51.33	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	3.07	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0.16	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)		
Heney	86/10/21	19:12	10	3.8	2.0	0.23		
===== C. punctipennis =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. flavicans =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0
===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Little Clear	86/10/28	21:48	1	6.0	4.0	0.47						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	2	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	9.80	0	0	0	11.36	0	0	0	0
Stan. Dev.	0	0	0	0.51	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	2	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	290.40	0	0	0	265.17	0	0	0	0
Density (#/m^3)	0	0	0	6.14	0	0	0	3.07	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.78	0	0	0	0.81	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Little Clear	86/10/28	21:42	2	9.8	7.8	0.90						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	3	7	0	1	0	22	0	0	0	0
Mean Length (mm)	0	0	5.87	9.29	0	6.16	0	11.65	0	0	0	0
Stan. Dev.	0	0	0.05	0.53	0	0	0	0.86	0	0	0	0
Num. Measured	0	0	3	6	0	1	0	22	0	0	0	0
Mean Weight (ug/org)	0	0	66.32	243.27	0	45.40	0	272.98	0	0	0	0
Density (#/m^3)	0	0	4.75	11.09	0	1.58	0	34.86	0	0	0	0
Biomass (mg/m^3)	0	0	0.32	2.70	0	0.07	0	9.52	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Little Clear	86/10/28	21:54	3	8.0	8.0	0.93						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	6	0	0	0	10	0	0	0	0
Mean Length (mm)	0	0	0	9.00	0	0	0	11.52	0	0	0	0
Stan. Dev.	0	0	0	0.91	0	0	0	1.12	0	0	0	0
Num. Measured	0	0	0	6	0	0	0	10	0	0	0	0
Mean Weight (ug/org)	0	0	0	219.00	0	0	0	269.48	0	0	0	0
Density (#/m^3)	0	0	0	9.21	0	0	0	15.35	0	0	0	0
Biomass (mg/m^3)	0	0	0	2.02	0	0	0	4.14	0	0	0	0

Lake	Date				Time		Station Number	Station Depth (m)		Sample Depth (m)		Sample Volume (m^3)			
Little Clear	86/10/28				22:04		4	7.0		5.0		0.58			
===== C. punctipennis =====							===== C. flavicans =====		=====		===== C. trivittatus =====				
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			
Total Number	0	0	0	5	0	0	1	10	0	0	0	0			
Mean Length (mm)	0	0	0	8.43	0	0	8.80	12.27	0	0	0	0			
Stan. Dev.	0	0	0	1.07	0	0	0	0.89	0	0	0	0			
Num. Measured	0	0	0	5	0	0	1	9	0	0	0	0			
Mean Weight (ug/org)	0	0	0	176.32	0	0	82.10	289.78	0	0	0	0			
Density {#/m^3}	0	0	0	12.28	0	0	2.46	24.56	0	0	0	0			
Biomass (mg/m^3)	0	0	0	2.17	0	0	0.20	7.12	0	0	0	0			

Lake	Date		Time		Station Number	Station Depth (m)		Sample Depth (m)		Sample Volume (m^3)				
Little Clear	86/10/28		21:33		5	19.5		17.5		2.04				
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====				
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th		
Total Number	0	0	1	3	0	0	0	32	0	0	0	0		
Mean Length (mm)	0	0	6.64	9.39	0	0	0	11.56	0	0	0	0		
Stan. Dev.	0	0	0	0.17	0	0	0	0.93	0	0	0	0		
Num. Measured	0	0	1	3	0	0	0	30	0	0	0	0		
Mean Weight (ug/org)	0	0	86.06	252.05	0	0	0	270.56	0	0	0	0		
Density {#/m^3}	0	0	0.70	2.11	0	0	0	22.45	0	0	0	0		
Biomass {mg/m^3}	0	0	0.06	0.53	0	0	0	6.08	0	0	0	0		

Lake	Date				Time		Station Number	Station Depth (m)		Sample Depth (m)	Sample Volume (m^3)																																	
Little Clear	86/10/28				22:12		6	6.5		4.5	0.52																																	
===== C. punctipennis =====															===== C. flavicans =====															===== C. trivittatus =====														
Instar	1st				2nd				3rd				4th				1st				2nd				3rd				4th															
Total Number	0				0				0				0				0				0				0				0															
Mean Length (mm)	0				0				0				0				8.56				0				0				0															
Stan. Dev.	0				0				0				0				0				0				0				0															
Num. Measured	0				0				0				0				1				0				0				0															
Mean Weight (ug/org)	0				0				0				0				77.17				0				0				0															
Density {#/m^3}	0				0				0				0				0				2.73				0				0															
Biomass {mg/m^3}	0				0				0				0				0.21				0				0				0															

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Little Clear	86/10/28	22:21	7	21.0	19.0	2.21						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	2	5	0	0	0	57	0	0	0	1
Mean Length (mm)	0	0	5.60	9.39	0	0	0	11.92	0	0	0	13.52
Stan. Dev.	0	0	0.23	0.40	0	0	0	0.42	0	0	0	0
Num. Measured	0	0	2	5	0	0	0	29	0	0	0	1
Mean Weight (ug/org)	0	0	60.03	252.05	0	0	0	280.28	0	0	0	940.98
Density (#/m^3)	0	0	1.29	3.23	0	0	0	36.84	0	0	0	0.65
Biomass (mg/m^3)	0	0	0.08	0.81	0	0	0	10.33	0	0	0	0.61

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Little Clear	86/10/28	22:32	8	15.0	13.0	1.51						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	11	0	0	0	18	0	0	0	0
Mean Length (mm)	0	0	0	9.51	0	0	0	11.83	0	0	0	0
Stan. Dev.	0	0	0	0.41	0	0	0	0.48	0	0	0	0
Num. Measured	0	0	0	11	0	0	0	18	0	0	0	0
Mean Weight (ug/org)	0	0	0	262.89	0	0	0	277.85	0	0	0	0
Density (#/m^3)	0	0	0	10.39	0	0	0	17.00	0	0	0	0
Biomass (mg/m^3)	0	0	0	2.73	0	0	0	4.72	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Little Clear	86/10/28	22:39	9	7.0	5.0	0.58						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	3	0	0	1	1	0	0	0	0
Mean Length (mm)	0	0	0	8.80	0	0	8.09	7.76	0	0	0	0
Stan. Dev.	0	0	0	0.50	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	3	0	0	1	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	203.29	0	0	68.01	170.95	0	0	0	0
Density (#/m^3)	0	0	0	7.37	0	0	2.46	2.46	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.50	0	0	0.17	0.42	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Little Clear	86/10/28	22:50	10	9.0	7.0	0.81						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	5	0	0	0	0
Mean Length (mm)	0	0	0	10.00	0	0	0	10.77	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	1.02	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	5	0	0	0	0
Mean Weight (ug/org)	0	0	0	310.50	0	0	0	249.37	0	0	0	0
Density (#/m^3)	0	0	0	1.75	0	0	0	8.77	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.54	0	0	0	2.19	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Plastic	86/10/27	20:40	1	6.0	4.0	0.47						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	4	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.12	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	1.12	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	3	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	228.83	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	12.28	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	2.81	0	0	0	0	0	0	0	0

Lake	Date		Time		Station Number	Station Depth (m)		Sample Depth (m)		Sample Volume (m^3)			
Plastic	86/10/27		20:45		2	13.5		11.5		1.34			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====			
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Total Number	0	0	1	99	0	0	0	1	0	0	0	0	
Mean Length (mm)	0	0	5.68	9.18	0	0	0	11.84	0	0	0	0	
Stan. Dev.	0	0	0	0.31	0	0	0	0	0	0	0	0	
Num. Measured	0	0	1	29	0	0	0	1	0	0	0	0	
Mean Weight (ug/org)	0	0	61.86	233.86	0	0	0	278.12	0	0	0	0	
Density (#/m^3)	0	0	1.07	105.71	0	0	0	1.07	0	0	0	0	
Biomass (mg/m^3)	0	0	0.07	24.72	0	0	0	0.30	0	0	0	0	

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Plastic	86/10/27	20:50	3	16.0	15.0	1.74						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	4	162	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	5.62	9.13	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0.58	0.44	0	0	0	0	0	0	0	0
Num. Measured	0	0	4	25	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	60.49	229.66	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	3.27	132.62	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0.20	30.46	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)				Sample Volume (m^3)						
Plastic	86/10/27				21:01	4	6.8				5.0				0.58						
===== C. punctipennis =====														===== C. flavicans =====				===== C. trivittatus =====			
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th							
Total Number	0	0	2	25		0	0	0	0		0	0	0	0							
Mean Length (mm)	0	0	6.08	9.35		0	0	0	0		0	0	0	0							
Stan. Dev.	0	0	0.68	0.40		0	0	0	0		0	0	0	0							
Num. Measured	0	0	2	24		0	0	0	0		0	0	0	0							
Mean Weight (ug/org)	0	0	71.44	248.51		0	0	0	0		0	0	0	0							
Density {#/m^3}	0	0	4.91	61.40		0	0	0	0		0	0	0	0							
Biomass (mg/m^3)	0	0	0.35	15.26		0	0	0	0		0	0	0	0							

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)				Sample Volume (m^3)																										
Plastic	86/10/27				21:07	5	9.0				7.0				0.81																										
===== C. punctipennis =====														===== C. flavicans =====														===== C. trivittatus =====													
Instar	1st				2nd	3rd	4th				1st				2nd	3rd	4th				1st				2nd	3rd	4th														
Total Number	0				0	0	26				0				0	0	0				0				0	0	0	0													
Mean Length (mm)	0				0	0	9.30				0				0	0	0				0				0	0	0	0													
Stan. Dev.	0				0	0	0.41				0				0	0	0				0				0	0	0	0													
Num. Measured	0				0	0	23				0				0	0	0				0				0	0	0	0													
Mean Weight (ug/org)	0				0	0	244.14				0				0	0	0				0				0	0	0	0													
Density {#/m^3}	0				0	0	45.61				0				0	0	0				0				0	0	0	0													
Biomass {mg/m^3}	0				0	0	11.14				0				0	0	0				0				0	0	0	0													

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)				Sample Volume (m^3)			
Plastic	86/10/27				21:14	6	6.5				4.5				0.52			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th						
Total Number	0	0	0	6	0	0	0	0	0	0	0	0						
Mean Length (mm)	0	0	0	9.41	0	0	0	0	0	0	0	0						
Stan. Dev.	0	0	0	0.40	0	0	0	0	0	0	0	0						
Num. Measured	0	0	0	5	0	0	0	0	0	0	0	0						
Mean Weight (ug/org)	0	0	0	253.84	0	0	0	0	0	0	0	0						
Density {#/m^3}	0	0	0	16.37	0	0	0	0	0	0	0	0						
Biomass (mg/m^3)	0	0	0	4.16	0	0	0	0	0	0	0	0						

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)				Sample Volume (m^3)			
Plastic	86/10/27				21:23	7	8.0				6.0				0.70			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====								
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th				
Total Number	0	0	0	1		0	0	0	0		0	0	0	0				
Mean Length (mm)	0	0	0	9.84		0	0	0	0		0	0	0	0				
Stan. Dev.	0	0	0	0		0	0	0	0		0	0	0	0				
Num. Measured	0	0	0	1		0	0	0	0		0	0	0	0				
Mean Weight (ug/org)	0	0	0	294.35		0	0	0	0		0	0	0	0				
Density {#/m^3}	0	0	0	2.05		0	0	0	0		0	0	0	0				
Biomass {mq/m^3}	0	0	0	0.60		0	0	0	0		0	0	0	0				

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Plastic	86/10/27				21:30	8	11.5				9.5	1.11			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			
Total Number	0	0	0	24	0	0	0	0	0	0	0	0			
Mean Length (mm)	0	0	0	9.28	0	0	0	0	0	0	0	0			
Stan. Dev.	0	0	0	0.38	0	0	0	0	0	0	0	0			
Num. Measured	0	0	0	19	0	0	0	0	0	0	0	0			
Mean Weight (ug/org)	0	0	0	242.40	0	0	0	0	0	0	0	0			
Density {#/m^3}	0	0	0	31.02	0	0	0	0	0	0	0	0			
Biomass {mg/m^3}	0	0	0	7.52	0	0	0	0	0	0	0	0			

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Plastic	86/10/27	21:45	9	7.8	5.8	0.67						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	10.00	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	310.50	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	2.14	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.66	0	0	0	0	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)				Sample Volume (m^3)					
Plastic	86/10/27				21:38	10	5.8				3.8				0.44					
===== C. punctipennis =====													===== C. flavicans =====				===== C. trivittatus =====			
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th						
Total Number	0	0	0	11		0	0	0	0		0	0	0	0						
Mean Length (mm)	0	0	0	9.40		0	0	0	0		0	0	0	0						
Stan. Dev.	0	0	0	0.53		0	0	0	0		0	0	0	0						
Num. Measured	0	0	0	11		0	0	0	0		0	0	0	0						
Mean Weight (ug/org)	0	0	0	252.95		0	0	0	0		0	0	0	0						
Density {#/m^3}	0	0	0	36.02		0	0	0	0		0	0	0	0						
Biomass {mg/m^3}	0	0	0	9.11		0	0	0	0		0	0	0	0						

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	21:55	1	3.0	1.2	0.14						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	7.64	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	127.26	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	10.23	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.30	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:00	2	7.0	5.0	0.58						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	2	4	0	0	0	11	0	0	0	0
Mean Length (mm)	0	0	4.84	8.88	0	0	0	11.16	0	0	0	0
Stan. Dev.	0	0	0.28	0.11	0	0	0	1.23	0	0	0	0
Num. Measured	0	0	2	4	0	0	0	11	0	0	0	0
Mean Weight (ug/org)	0	0	44.10	209.48	0	0	0	259.80	0	0	0	0
Density {#/m^3}	0	0	4.91	9.82	0	0	0	27.02	0	0	0	0
Biomass {mg/m^3}	0	0	0.22	2.06	0	0	0	7.02	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:05	3	7.0	5.0	0.58						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	2	3	0	0	2	9	0	0	0	0
Mean Length (mm)	0	0	9.01	9.01	0	0	7.76	10.62	0	0	0	0
Stan. Dev.	0	0	0.92	0.92	0	0	1.02	0.86	0	0	0	0
Num. Measured	0	0	3	3	0	0	2	9	0	0	0	0
Mean Weight (ug/org)	0	0	164.09	219.81	0	0	61.95	245.38	0	0	0	0
Density (#/m^3)	0	0	4.91	7.37	0	0	4.91	22.10	0	0	0	0
Biomass (mg/m^3)	0	0	0.81	1.62	0	0	0.30	5.42	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:10	4	16.0	13.0	1.51						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	10	17	0	0	2	58	1	1	0	0
Mean Length (mm)	0	0	5.95	8.91	0	0	8.16	11.11	3.04	2.04	0	0
Stan. Dev.	0	0	0.64	0.90	0	0	0.34	0.85	0	0	0	0
Num. Measured	0	0	9	17	0	0	2	28	1	1	0	0
Mean Weight (ug/org)	0	0	68.24	211.83	0	0	69.33	258.46	10.57	2.41	0	0
Density {#/m^3}	0	0	9.45	16.06	0	0	1.89	54.79	0.94	0.94	0	0
Biomass {mg/m^3}	0	0	0.64	3.40	0	0	0.13	14.16	0.01	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:20	5	12.5	9.5	1.11						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	2	9	23	0	0	3	147	23	0	0	0
Mean Length (mm)	0	3.00	5.54	8.61	0	0	7.00	10.69	2.84	0	0	0
Stan. Dev.	0	0.40	0.43	0.79	0	0	0.40	0.72	0.31	0	0	0
Num. Measured	0	2	9	23	0	0	2	29	23	0	0	0
Mean Weight (ug/org)	0	14.54	58.68	189.10	0	0	49.18	247.24	8.64	0	0	0
Density {#/m^3}	0	2.59	11.63	29.73	0	0	3.88	190.02	29.73	0	0	0
Biomass {mq/m^3}	0	0.04	0.68	5.62	0	0	0.19	46.98	0.26	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:25	6	8.0	5.0	0.58						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	1	1	6	0	0	0	5	0	0	0	0
Mean Length (mm)	0	4.32	6.96	8.45	0	0	0	10.69	0	0	0	0
Stan. Dev.	0	0	0	1.05	0	0	0	0.72	0	0	0	0
Num. Measured	0	1	1	6	0	0	0	5	0	0	0	0
Mean Weight (ug/org)	0	19.42	95.07	177.71	0	0	0	247.24	0	0	0	0
Density (#/m^3)	0	2.46	2.46	14.74	0	0	0	12.28	0	0	0	0
Biomass (mg/m^3)	0	0.05	0.23	2.62	0	0	0	3.04	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:30	7	5.0	3.0	0.35						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	5.52	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	58.24	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	4.09	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0.24	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:40	8	6.0	4.0	0.47						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	3	0	0	1	1	0	0	0	0
Mean Length (mm)	0	0	0	8.61	0	0	8.72	10.64	0	0	0	0
Stan. Dev.	0	0	0	0.05	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	3	0	0	1	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	189.10	0	0	80.44	245.91	0	0	0	0
Density (#/m^3)	0	0	0	9.21	0	0	3.07	3.07	0	0	0	0
Biomass (mg/m^3)	0	0	0	1.74	0	0	0.25	0.75	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	22:50	9	8.5	5.5	0.64						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	4	0	0	2	11	0	0	0	0
Mean Length (mm)	0	0	0	9.54	0	0	8.44	11.08	0	0	0	0
Stan. Dev.	0	0	0	1.00	0	0	0.17	0.49	0	0	0	0
Num. Measured	0	0	0	4	0	0	2	11	0	0	0	0
Mean Weight (ug/org)	0	0	0	265.65	0	0	74.77	257.66	0	0	0	0
Density {#/m^3}	0	0	0	8.93	0	0	4.47	24.56	0	0	0	0
Biomass {mg/m^3}	0	0	0	2.37	0	0	0.33	6.33	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-east basin	86/10/15	23:00	10	4.0	2.0	0.23						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	1	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	11.12	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	1	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	258.73	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	6.14	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	1.59	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	19:15	1	6.5	3.5	0.41						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	19:25	2	18.0	15.0	1.74						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	19:35	3	26.0	23.0	2.68						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	19:45	4	8.0	5.0	0.58						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	1	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	MV	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	MV	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	MV	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	MV	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	2.46	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	MV	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	19:55	5	27.0	24.0	2.79						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	20:10	6	10.0	7.0	0.81						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mg/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	20:20	7	9.0	6.0	0.70						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	20:25	8	22.0	19.0	2.21						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	1	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	6.24	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	1	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	75.47	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0.65	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0.05	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	20:35	9	17.0	14.0	1.63						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Red Chalk-main basin	86/10/15	20:45	10	6.0	3.0	0.35						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Solitaire	86/10/28	19:20	1	5.0	3.0	0.35						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density {#/m^3}	0	0	0	0	0	0	0	0	0	0	0	0
Biomass {mq/m^3}	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Solitaire	86/10/28	19:27	2	27.0	25.0	2.91						
===== C. punctipennis =====												
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	2	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.36	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	1	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	249.40	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0.98	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.25	0	0	0	0	0	0	0	0
===== C. flavicans =====												
===== C. trivittatus =====												

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Solitaire	86/10/28	20:19	3	22.0	20.0	2.33						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	2	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	9.93	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.10	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	2	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	303.36	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	1.23	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.37	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Solitaire	86/10/28	20:13	4	8.5	6.5	0.76						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Solitaire	86/10/28	19:39	5	16.0	14.0	1.63						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	2	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	8.76	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0.62	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	2	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	200.24	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	1.75	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0.35	0	0	0	0	0	0	0	0

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Solitaire	86/10/28				20:29	9	11.5				9.5	1.11			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th	
Total Number	0	0	0	0		0	0	0	0		0	0	0	0	
Mean Length (mm)	0	0	0	0		0	0	0	0		0	0	0	0	
Stan. Dev.	0	0	0	0		0	0	0	0		0	0	0	0	
Num. Measured	0	0	0	0		0	0	0	0		0	0	0	0	
Mean Weight (ug/org)	0	0	0	0		0	0	0	0		0	0	0	0	
Density (#/m^3)	0	0	0	0		0	0	0	0		0	0	0	0	
Biomass (mg/m^3)	0	0	0	0		0	0	0	0		0	0	0	0	

Lake	Date				Time	Station Number	Station Depth (m)				Sample Depth (m)	Sample Volume (m^3)			
Solitaire	86/10/28				20:34	10	5.5				3.5	0.41			
===== C. punctipennis =====					===== C. flavicans =====					===== C. trivittatus =====					
Instar	1st	2nd	3rd	4th		1st	2nd	3rd	4th		1st	2nd	3rd	4th	
Total Number	0	0	0	0		0	0	0	0		0	0	0	0	
Mean Length (mm)	0	0	0	0		0	0	0	0		0	0	0	0	
Stan. Dev.	0	0	0	0		0	0	0	0		0	0	0	0	
Num. Measured	0	0	0	0		0	0	0	0		0	0	0	0	
Mean Weight (ug/org)	0	0	0	0		0	0	0	0		0	0	0	0	
Density (#/m^3)	0	0	0	0		0	0	0	0		0	0	0	0	
Biomass (mg/m^3)	0	0	0	0		0	0	0	0		0	0	0	0	

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	19:15	1	5.0	2.5	0.29						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	2	0	1	0	0
Mean Length (mm)	0	0	0	0	0	0	0	10.80	0	4.72	0	0
Stan. Dev.	0	0	0	0	0	0	0	1.24	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	2	0	1	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	250.17	0	25.16	0	0
Density (#/m^3)	0	0	0	0	0	0	0	9.82	0	4.91	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	2.46	0	0.12	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	19:20	2	13.5	10.5	1.22						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	58	0	0	1	152	322	109	0	0
Mean Length (mm)	0	0	0	9.84	0	0	7.76	11.17	3.67	4.72	0	0
Stan. Dev.	0	0	0	0.36	0	0	0	0.92	0.55	0.53	0	0
Num. Measured	0	0	0	27	0	0	1	29	26	26	0	0
Mean Weight (ug/org)	0	0	0	294.35	0	0	61.95	260.07	18.48	25.16	0	0
Density {#/m^3}	0	0	0	67.83	0	0	1.17	177.77	376.59	127.48	0	0
Biomass (mg/m^3)	0	0	0	19.97	0	0	0.07	46.23	6.96	3.21	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	19:25	3	11.5	9.0	1.05						
===== C. punctipennis =====				===== C. flavicans =====	===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	36	0	0	1	41	17	2	0	0
Mean Length (mm)	0	0	0	9.87	0	0	8.64	11.13	3.77	3.90	0	0
Stan. Dev.	0	0	0	0.57	0	0	0	0.63	0.46	0.25	0	0
Num. Measured	0	0	0	25	0	0	1	26	16	2	0	0
Mean Weight (ug/org)	0	0	0	297.33	0	0	78.80	259.00	20.01	14.76	0	0
Density {#/m^3}	0	0	0	49.12	0	0	1.36	55.94	23.20	2.73	0	0
Biomass (mg/m^3)	0	0	0	14.60	0	0	0.11	14.49	0.46	0.04	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	19:30	4	10.0	7.0	0.81						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	12	0	0	0	74	1	1	0	0
Mean Length (mm)	0	0	0	9.72	0	0	0	10.82	3.52	4.44	0	0
Stan. Dev.	0	0	0	0.85	0	0	0	0.76	0	0	0	0
Num. Measured	0	0	0	12	0	0	0	26	1	1	0	0
Mean Weight (ug/org)	0	0	0	282.62	0	0	0	250.71	16.33	21.21	0	0
Density {#/m^3}	0	0	0	21.05	0	0	0	129.82	1.75	1.75	0	0
Biomass {mg/m^3}	0	0	0	5.95	0	0	0	32.55	0.03	0.04	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	19:40	5	8.5	5.5	0.64						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	7	0	0	0	48	3	1	0	0
Mean Length (mm)	0	0	0	10.08	0	0	0	11.16	3.40	4.60	0	0
Stan. Dev.	0	0	0	0.34	0	0	0	0.46	0.25	0	0	0
Num. Measured	0	0	0	7	0	0	0	24	1	1	0	0
Mean Weight (ug/org)	0	0	0	318.81	0	0	0	259.80	14.73	23.41	0	0
Density (#/m^3)	0	0	0	15.63	0	0	0	107.17	6.70	2.23	0	0
Biomass (mg/m^3)	0	0	0	4.98	0	0	0	27.84	0.10	0.05	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	19:55	6	16.0	13.0	1.51						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	61	0	0	1	308	72	44	0	0
Mean Length (mm)	0	0	0	9.99	0	0	7.28	11.11	3.49	4.27	0	0
Stan. Dev.	0	0	0	0.41	0	0	0	0.72	0.40	0.43	0	0
Num. Measured	0	0	0	25	0	0	1	28	29	27	0	0
Mean Weight (ug/org)	0	0	0	309.48	0	0	53.70	258.46	15.92	19.02	0	0
Density (#/m^3)	0	0	0	57.62	0	0	0.94	290.94	68.01	41.56	0	0
Biomass (mg/m^3)	0	0	0	17.83	0	0	0.05	75.20	1.08	0.79	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	20:05	7	6.5	4.0	0.47						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	6	0	0	2	9	1	1	0	0
Mean Length (mm)	0	0	0	10.24	0	0	8.04	11.20	3.48	3.88	0	0
Stan. Dev.	0	0	0	0.44	0	0	1.64	0.65	0	0	0	0
Num. Measured	0	0	0	6	0	0	2	9	1	1	0	0
Mean Weight (ug/org)	0	0	0	335.89	0	0	67.07	260.87	15.78	14.55	0	0
Density (#/m^3)	0	0	0	18.42	0	0	6.14	27.63	3.07	3.07	0	0
Biomass (mg/m^3)	0	0	0	6.19	0	0	0.41	7.21	0.05	0.04	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	20:20	8	5.5	3.0	0.35						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	7	0	0	0	11	0	1	0	0
Mean Length (mm)	0	0	0	9.87	0	0	0	11.11	0	5.28	0	0
Stan. Dev.	0	0	0	0.24	0	0	0	1.05	0	0	0	0
Num. Measured	0	0	0	7	0	0	0	11	0	1	0	0
Mean Weight (ug/org)	0	0	0	297.33	0	0	0	258.46	0	34.42	0	0
Density {#/m^3}	0	0	0	28.65	0	0	0	45.03	0	4.09	0	0
Biomass {mg/m^3}	0	0	0	8.52	0	0	0	11.64	0	0.14	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	20:15	9	5.5	3.0	0.35						
===== C. punctipennis =====				===== C. flavicans =====		===== C. trivittatus =====						
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	1	0	0	1	11	5	4	0	0
Mean Length (mm)	0	0	0	9.60	0	0	6.40	11.19	3.91	4.79	0	0
Stan. Dev.	0	0	0	0	0	0	0	0.77	0.57	0.46	0	0
Num. Measured	0	0	0	1	0	0	1	11	4	4	0	0
Mean Weight (ug/org)	0	0	0	271.22	0	0	40.24	260.61	22.30	26.22	0	0
Density {#/m^3}	0	0	0	4.09	0	0	4.09	45.03	20.47	16.37	0	0
Biomass {mg/m^3}	0	0	0	1.11	0	0	0.16	11.73	0.46	0.43	0	0

Lake	Date	Time	Station Number	Station Depth (m)	Sample Depth (m)	Sample Volume (m^3)						
Walker	86/10/20	20:30	10	3.0	1.5	0.17						
===== C. punctipennis =====			===== C. flavicans =====		===== C. trivittatus =====							
Instar	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Total Number	0	0	0	0	0	0	0	0	0	0	0	0
Mean Length (mm)	0	0	0	0	0	0	0	0	0	0	0	0
Stan. Dev.	0	0	0	0	0	0	0	0	0	0	0	0
Num. Measured	0	0	0	0	0	0	0	0	0	0	0	0
Mean Weight (ug/org)	0	0	0	0	0	0	0	0	0	0	0	0
Density (#/m^3)	0	0	0	0	0	0	0	0	0	0	0	0
Biomass (mg/m^3)	0	0	0	0	0	0	0	0	0	0	0	0